re Mining Journal RAILWAY AND COMMERCIAL GAZETTE.

forming a complete record of the proceedings of all public companies.

No. 746 .--- Vol. XIX.

LONDON, SATURDAY, DECEMBER 8, 1849.

PRICE 6D.

ATMOSPHERIC AND LOCOMOTIVE ENGINES FOR SALE.

YR. STARLING is instructed by the Directors of the LONDON AND BRIGHTON EAILWAY COMPANY to Dispose of those Highly-INISHED ENGINES, by Messrs. MAUDSLY & Co., lately used on the ATMOSPHERIC ALLWAY.

LWAY.

- S. has also for disposal several new and second-hand SIX and FOUR-WHEELED OMOTIVES—particulars on application at his office, 13, Change-alley. and on, November 14, 1849.

London, November 14, 1849.

EXTENSIVE IRON-WORKS FOR SALE, BY PRIVATE
BARGAIN.—The BLAIR IRON-WORKS, belonging to the Ayrshire Iron Company, with the whole MINERAL FIELDS held by the said company, under favourable
cases, including the MALEALE IRON-WORKS, immediately adjoining, so far as
rected—all as particularly described in former advertements.—There is a large STOCK
IRONSTONE on the ground, which may be had at a valuation.
For farther particulars apply to Mr. Biggart, at the works; Mr. Watson, 32, and Mr.
Brown, 35, St. Vincent-place, Glasgow; Messra. M'Clelland and M'Kenzie, accountants,
there; Messrs. Gibson-Craig, Dalziel, and Brodie, W.S., Edinburgh; or Messra. Montgomeric and Fleming, writers, Glasgow—the last being in possession of the title deeds
and articles of roup.—Glasgow, Dec. 4, 1849.

IMPORTANT TO CAPITALISTS.

VALUABLE SLATE VEIN IN THE MARKET.—The Proprietor of a valuable SLATE VEIN, or BED, covering an area of 63 acres, one-fourth of a mile in width, and rising to an altitude of fully 900 feet (the property of which is freedhold), is desirous of obtaining a PURCHASEE for the SAME, who will be allowed advantageous terms, with an assured certainty of ample returns for the needful expenditure required for carrying on extensive operations; and which, from the nature of the slate formation—stratum rising over stratum—ample space (with a deep fall) for rubbish deposit, free drainage, dispensing with the usuai adjunct machinery, will not necessarily reach a tenth-part of the average working outlay of the generality of slate quarries. The Slate Vein, to which stention is drawn in this advertisement, is situated on the margin of a navigable lake, in Carnavoushire, North Wales, within six miles (four of which is the post-road) of as excellent slipping port.

Garnavoushire is noted as the great emporium of the slate trade, which affords constant and horative employment to thousands, at the same time enriching the proprietors. The surveys of three eminent engineers have been followed up by reports of a highly satisfactory character as to the quality and quantity of this eligible, sinte formation, and say, be bad, with a view of the plan and accious, on application to Griffith Davies, Eaq., fuardian lineurance Office, London; or Mr. W. Dew, surveyor, Llangefin, Anglessa.

CERRO DEL BOTE MINING COMPANY.

(Previsionally Registered, under 7 and 8 Victoris, csp. 110.)

Capital \$50,000, in 5000 shares, of £10 each, payable in four instalments, as follows:—

£3 per share on the 13th day of April next.

£2 per share on the 13th day of July next—and

£2 per share on the 15th day of October next.

The object of the company is to WORN the MINES of the CERRO, DEL BOTE in the

The object of the company is to WORK the MINES of the CERRO DEL BOTE, in the set ZACATECAS, in the Republic of MEXICO, recently in the possession of the classes Mining Company.

ss Mining Company,
management to be in the hands of five directors, to be elected by the shareholde
listely after the allotment of the shares, and who will give their services gratui
until the propreters, at a general meeting, may vote them a remuneration,
maintee to conduct the formation of the company having been appointed at
ig, held on bth inst., applications for shares may be addressed to them, at the office
diffifurar; or at the office of John Taylor, jun., Eagl. 6, Queen-rere-piace. South
bridge—at either of which places prospectness may be obtained after Monday nex

RETHEVY COPPER MINE. RETHEVY COPPER MINE.

This MINE is situate in the parish of ST. CLEER, near LISKEARD, adjaining parallel to the SOUTH CARADON MINES, whose riches are almost unequalied, and vast profits realised by the fortunate adventurers are too wall known to need comain the same neighbourhood, has turned out exceedingly rich. It is believed mailar fortune exists in TRETHEVY COPPER MINE; and when we view the trifling per share which is required to carry on the adventures, compared to the almost cert. preapects of auccess, no one can object to the insignificance of the sum required, and is a most beautiful valley at the foot of the Granite Hill of Caradon, a situative in a most beautiful valley at the foot of the Granite Hill of Caradon, a situative ill known to miners to be productive. Cross-courses intersect the lodes at all sits, being indicative of great mineral deposits. The east and west lodes are eight in abor, large and well defined, with the two great South Caradon cross-courses running ough the sort, as well as the West Caradon, and other large cross-courses running ough the sort, as well as the West Caradon, and other large cross-courses running paint, and black and yellow copper ore, is of a rich description.

Shaft has been sunk to the 35 fathom revet under the adit—the acid being 5 fathoms par the riches exist; carrying, as it does, at that level, rich black and yellow copper prosecuted. Sufficient was seen of the lodes to evidence within 10 of 15 fathoms par the riches exist; carrying, as it does, at that level, rich black and yellow copper with all the characteristics of South Caradon. The work done with being 6 whe deturers, subject only to a small payment for the water-wheel and some-work now on east, which with hereafter be paid by the elaceholders, when stranged, as also about 20 preliminary expenses.

Is now, therefore, only necessary to creek a 40-in, cylinder steam-congine, with pumps, and sink the shaft, lo fathoms deeper, the estimated cost of which is £1000; when is accomplished, there can be very li

corks.

order to carry out this undertaking in a bond fide and equitable manner, it is proorder to carry out this undertaking in a bond fide and equitable manner, it is proand agreed to by all parties concerned, that £ 1500 shall be banked, being obvious
he importance and flattering prospects of the mine fully justifies such determination,
legitimately to proceed with the works, for the purpose of developing the riches,
all competent judges, who have seen it, unbrestatingly declare exist in the Tretheys
at Mine. It will be here seen that the mine is not brugght forward as a mine of a
lative character, but with the sole view of bringing a valuable property into comal and profitable investment.—Sixty shares are reserved to the owners of the mine.

The dues to the ford is one-fifteenth.

The dues to the Lord is one-fficenth.

***FFT-Mr. Peter Roskelly, Liekeard; Mr. Jares Therwell (pro ben.), Exeter.

***FFT-Mr. Peter Roskelly, Liekeard; Mr. Jares Therwell (pro ben.), Exeter.

***FT-Deven and Cornwall Bank, Listeard and Exeter; Mesurs. Sanders, Exeter.

***Mine is divided into dre hundred and twelve shares; to be paid at various periods for fixed, if required—First deposit, £1; second deposit, £1; third deposit, £2; much deposit, £1; third deposit, £2; much deposit, £1 10s.

***believed that very little more than £1500 will be required before the mine is in able work. The greatest portion of the shares are already taken up by highly-table shareholders.

ble shareholders. ienry Vatcher, Excter; Mr. Thos, Sanford, Excter; Mr. Tricketts, Plymout mes Lane, Esq., 80, Old Broad-street, London, will receive applications for the fa ng shares, of whom all further information can be obtained.

JOSEPH DEELEY, of the LONDON and NEWPORT RON-WORKS, NEWPORT, MONMOUTHSHIRE, respectfully recommends to the notice of the public his PATENT FOUNDRY FURNACE, which has been effectually setted, and is now in constant use at the above works, where it may be inspected by all sersons listerested. This furnace operates without the aid of any motive-power to impel he air. An immenses swing is the consequence, both in erecting and working. One-hird of the coke usually required is more than sufficient; a loss of only 22 lbs, to the on being sustained in smelting.

sustained in smelting. IN MELITED in this furnace also undergoes an extraordinary improve In quality.

SOUTH FIG and SCRAP are returned equal to the best cold-blast in point of trength, and casable of being chipped or filed with the greatest facility.

FOUNDRIES USING the FURNACE may exist in the most densely populated cities, rithout causing the least nuisance—all smoke, dust, and noise being entirely avoided.

The FOREIGN PATENT RIGHTS of the above are FOR DISPOSAL, affording capitalists the most favourable opportunity for profitable investment.

APPLY TO THE PATENTER AS ABOVE.

TO THE OWNERS OF COLLIERIES, MINES, PLANTATIONS, SAW-MILLS, &c.

IMPROVED CIRCULAE SAWS, MILL-SAWS, FILES,
Machins Irons, and Cutting Knives, Steel in Bilster, Bar, Cast, Shear, and Drift Steel, Springs
for Railways and Common Koada, Iron Washers, Boits, Hammers, &c., on the most
PERFECT and ECONOMICAL PRINCIPLES, MANUFACTURED with DISPATCH, by

BLAKE AND PARKIN, THE MEADOW STEEL-WORKS, SHEFFIELD

SEWERAGE OF LONDON.—The ATTENTION of the COMMISSIONERS appointed to determine upon the MOST EFFICIENT MATTERIAL for the CONSTRUCTION of the SEWERS OF LONDON, is particularly directed to the ASPHALTE OF SEYSELL, which more than any other material is applieable to the CONSTRUCTION and INTERNAL COATING OF BRICK CULVERTS and OTHER CHANNELS for DRAIRAGE.

The experiments made by the Royal Artillery on the embrasures of Plymouth Citadel, constructed of Seysel Asphalte Brickwork, under the orders of the Roin. Board of Orderance, have fully proved the superiority; adhesiveness, and strength of Seysel Asphalte over all other commentations compositions. A printed account of these experiments can be had on application to Seysel Asphalte Company—"Claridge's Patent"—Etablished 1838.

Sometimes of the Seysel Asphalte Company—"Claridge's Patent"—Etablished 1838.

Commissioners on the Fine Arts for covering the ground line of brickwork in marshy situations, and it has been suggested that it would be peculiarly applicable for covering the gross of closed grave gards, and for the construction of catacombs.

INVESTMENT.—TWO OF THREE GENTLEMEN are required to JOIN FIVE OTHERS in WORKING a SILVER-LEAD MINE of ascertained value. Bond fide vonchers will be produced for every shilling expended upon the mine, both as regards the purchase of the act and the opening upon the lodes. Out of 1000 shares into which the mine is divided, there remains 500 now for disposal at par -viz., £1 per share. To save useless applications from more speculators in shares, the whole of the shareholders will be required to subscribe their names in the Cost-book, binding themselves not to transfer any shares held by them (except among the several parties) till after the first sale of ores.—Far further particulars, letters to be addressed "T. H. T.," care of the Editor of the Mising Journal, 26, Ficet-street, London.

OANS ON DEBENTURES.—The CALEDONIAN RAIL-WAY COMPANY are prepared to RECEIVE TENDERS OF LOANS, in sums less than £500.—Applications to be made or addressed to this office.

125, George-street, Edinburgh, Dec. 1, 1846. By order,
D. RANKINE, Tree

WMBRAIN PATENT IRON REFINERY.—The PROPRIETORS of IRON FORCES and MILLS are respectfully INVITED to MAKE TRIAL of Mr. BLEWITT'S REFINED RY. TO MAKE TRIAL of Mr. BLEWITT'S REFUNED IRON, or METAL, PREPARED by a NEW PATENT PROCESS, whereby the IRON is completely FREED from the IMPURITIES CONTRACTED in the BLAST-FURNACE, and, by judicious mixtures, rendered applicable to every kind of manufacture. Heretofore, the metal usually sold in the market has been produced from he worst pigs, scraps, and raduse of some particular biast-furnace, or set of furnaces, without any mixture, or any regard to quality, or the purpose for which it might be required. The PATENT METAL is PREPARED ON SYSTEM, and TO ORDER, for any of the following purposes:—

1. For BOILER and TANK-PLATES.

2. For TIN-PLATES, commonly called COKE-PLATES.
3. For STRONG CABLE BOLTS, RIVET, and ANGLE IRON.

4. This COMPOUND PUDDLED, beat under the hammer into a bloom, reheated, and rolled into a 6 or 65-inch bar, makes TDPS and BOTTOMS for FLANCH and OTHER RAILE, of very superior quality, and attended with less waste than any other kind of iron used for that purpose. It is also well adapted for nail-rods, horse-shoes, and for other ordinary uses of the blacksmith.

The PATENT METAL is marked with a squirrel, and the initials "R. J. B.," and is to be had only at the "Cwmbrain Iron-Works," near Newport, Monmouth

TOUGHENED CAST-IRON—STIRLING'S PATENT
No. 1—For SMALL and MEDIUM CASTINGS.
No. 3—For HEAVY CASTINGS.
No. 3—For HEAVY CASTINGS.
No. 3—Early —For ROLLS, HEAVY SHAFFS, and VERY HEAVY CASTINGS.
The above is by far the strongest Cast-Iron made, and is now being extensively used where strong castings are required.
Further particulars may be obtained on application to
Further particulars may be obtained on application to
7, Queen-street, Cheapside, from whom also the IRON can be PROCURED.

STRUVE'S PATENT MINE VENTILATOR

Quantity of air passed through a Mine PROPRIETORS.

Quantity of air passed through a Mine almost unlimited, to the extent of 200,000 cubic feet per minute, if necessary—depending on size of apparatus.

COST of an APPARATUS to produce a ventilation of 20,000 cubic feet per minute, ONE HUNDRED and FIFTY POUNDS, exclusive of patent right. This amount of ventilation would be sufficient for a mine working 150 tons per day, provided it was not very fiery; if which case it would be desirable to provide for 30,000 cubic feet of air per minute. The capabilities of the Ventilator may be doubled at any future time, at a comparatively small cost.

The Ventilator has seen at work for upwars of six months at the Engiestenst Colliery, mer Neath, working under a rarefaction of 24 to 3 inches of water, which demonstrates the impracticability of furnace ventilation, when the shafts are shallow and the airways small.—It is practical to rarify a mine by this ventilator to the extent of 2 feel of water, or 2 inches of mercary.

LICENSES will be GRANTED on application to
Mr. WILLIAM PRICE STRUVE, Swan
CIVIL ENGINEER AND MINERAL SURVEYOR.

WARRANTED SAFETY FUSE.-W. BRUNTON & CO. begin the About Agents, Contractors, and Marchants, that having comp their Machinery for site MANUFACTURE of the ABOVE ARTICLE, they are ento offer FUSE of a very superior quality, and at considerably reduced prices.

W. D. & Co. can SUPPLY FUSE in ANY LENGTHS that may be required. Penhellick Fuse Factory, Pool, Truro, Cornwall.

Messrs. W. Baunton & Co. TESTIMONIALS. North Pool Mine, Nov. 27, 1849. Messrs. W. Bauffor & Co.

Gerthamen,—We have had your Safety Friee in constant use during the last seven months, and have much pleasure in expressing our own satisfaction with it, and in being tible to tell you that we have not had a single complaint of your Fries made by any of one and stringt he whole pariod—though they are particularly instructed to return any banaterials which may be supplied to them.

JAMES EVANS, Manager,

JOHN NANCARROW,

FREDERICK EVANS,

HENRY JAMES.

Messrs. W. Baunton & Co. Tincroft Mine, Nov. 27, 1849. Messrs. W. Badwros & Co.

Gestrates,—Since last March, when you commenced manufacturing Safety Fusw have had Fuse of your make in delly use in all parts of our mine, and can with strict impartiality state that the article supplied by you has been excellent. In proof of the we may mention, that during the whole of that time we have not had a single accident early description.

FETER FLOYD, Manager, JOHN THOMAS, THOMAS STAINSBY, THOMAS STAINSBY, RICHARD MAETIN.

Messrs. W. Brunton & Co.

Wheat Agar Mine, Nov. 28, 1849.

Gentlemen,—There has been a good deal of your Fuse used at our mine, and we can fely pronounce it to be as good an article as we ever saw.

ALEX. EUDEY, Manager,

JOSEPH EUDEY.

Messrs. W. BRUNTON & Co.

GENTLEMEN.—Your Fuse is a capital article, so far as our experience of it goes. It is rell made, and certain in its operation. The men have brought no complaints of it, nor as a single accident occurred with it.

WILLIAM THOMAS, JOHN DUNKIN.

Messrs. W. BRUNTON & Co. North Rockear Mine, Nov. 30, 1849. Mesers. W. Brunton & Co.

North Roskear Mine, Nov. 50, 1085.

Gentlemen,—All the Fuse you have sent to this mine, during several months past has been as good as we have ever had from the other Fuse factories. There has been no fault found with it, nor has there been any accident in using it.

JOSEPH VIVIAN, Manager.

JOHN HODGE.

Messrs. W. Brunton & Co.

Cook's Kitchen Miae, Nov. 29, 1849.

Gentlemen. We very cheerfully give our testimony to the good quality of your Fuse for eight months we have used it, and no accident has occurred.

JOSEPH VIVIAN, Manager, JOHN IVET.

W. G. HILL.

Messrs. W. Brunton & Co.

Cara Bres Mine. Nov. 39, 1849.

Carn Brea Mine, Nov. 39, 1849. rs. W. BRUNTON & Co.

Messrs, W. BEDNTOR & Co.

GENTLENES,—We have used 9000 coils of your Fuse in our mide in the course of the ast eight months; and have pleasure in stating that not a single case of accident has risea therefrom, and we consider your Fuse as good as any that is made.

R. H. PIKE, Purser,
JOHN LENTEN, Managing
JAMES MINERS, Agents.

WILLIAM ROBERTS,
JOHN JAMES,
JOHN JAMES, WILLIAM ROBERTS. JOHN DAW.

Messrs. W. Baunton & Co.

Penhellict Puss Pactory.

Gentlemen,—We have used, and are still using, your Fuse, and have no hesitation in expressing our conviction that it is, in all respects, entitled to the character of Safety Fuse—being as good an article, and as safe in use as any we have seen.

WILLIAM JEFFERY, Lanarth Mine.

JOSEPH MICHELL,

WM. H. VERRAN, East Wheal Fortune.

Mesors. W. Brunton & Co. Prestonpans Colliery, Edinburgh, Sept. 17, 1849.

GRENTIANES.—The miners inform me that the Fuses are of excellent quality, and have not lost a single shot since the convencement; while, with some of a very similar appearance we used before, nearly half the charges missed fire.

JOHN GRIEVE.

BICKFORD'S PATENT SAFETY FUSE.—The Patentees of the ORIGINAL, and only real, SAFETY FUSE, beg to inform Merchants, thine Agents, Rallway Contractors, and all persons concerned in Blasting Operations, that, for the purpose of protecting the public in the use of a genuine article, the PATENT AFETY FUSE has now a threat errought into its centre, which being patent right, infalliby distinguishes if from all imitations, and ensures the continuity of the gunpowder. The Safety Fuse is now protected by a Second Patent, and manufactured by greatly improved machinery. BICKFORD, SMITH, & DAVEY, Camborne, Cornwall.

ALE OF SILVER ORES—NOTICE TO PURCHASERS.

A QUANTITY of SILVER ORES will BE OFFERED FOR SALE at the CAMBORNE CONSOLS MINES in the course of a fortnight, which will be followed by monthly or bi-monthly sales; persons, therefore, desirous of becoming purchasers are requested to apply to Mr. F. Daniell, on the mines, when samples of the ores, and further particulars, will be forwarded.

(Signed) H. L. T. VON ULSTER, Secretary.

29, Poultry, London. Dec. 5. 1849. 29, Poultry, London, Dec. 5, 1849.

DARTNERSHIP .- A GENTLEMAN, of education and ARLINE ASTRIFF.—A UENTLEMAN, of education and active habits, commanding £5000 and upwards, and practically acquainted with Mechanical Engineering, wishes to FORM a CONNECTION with an extensive MANU-FACTURING FIRM. He would devote himself to the active management of the business. Any first-rate house (a mechanical engineering concern would be preferred) contemplating an enlargement of its business, or from which a partner proposes to retire during the next two years, will find an advantageous connection in the advertiser. Apply by letter to " A. B.," care of Mr. Heritage, 11, Furnival's Inn, Holborn, London

WANTED,—A GENTLEMAN, of high character and qualiactions, to REPRESENT an IRON HOUSE, in all the various branches of the
trade, ABROAD: a knowledge of the manufacture, and experience in the sale, combined
to good address, indispensable.—Letters, with real name and address, such particulars of
age, qualifications, former service, &c., as will bear rigid inquiry, addressed to "F. P.,"
Mr. Low's, stationer, 31, Abchurch-lane, City.—Security will be required.

TO SURVEYORS, COLLIERY OWNERS, AND OTHERS.

—WANTED, a SITUATION by a YOUNG MAN, who thoroughly understands
LAND and COLLIERY SURVEYING. If not wholly employed in surveying, would
have no objection to assist in BOOK-KEFING. The highest testimonials can be given.

—Address H. Walls, Castle-hill, Hindley, near Wigan.

TO COLLIERY OWNERS, &c.—A SITUATION is WANTED by a COLLIERY AGENT, or VIEWER, who has had nine years' experience in the Newcastle and South Wales districts. The highest testimonials can be given.—Address "M. S.," Mining Journal Office, 26, Fleet-street, London.

STEAM-ENGINE FOR SALE.—TO BE SOLD, BY PRI-VATE CONTRACT, an 85-inch cylinder STEAM-ENGINE, 10-feet stroke, equal bism.—Application to be made to Messrs. Hocking and Loam, engineers, Redruth.

BANK OF AUSTRALASIA (Incorporated by Royal Charter, 1835), No. 8, Austinfriars, London, Nov. 26, 1849.—The court of directors hereby give Notice, that the HALF-YEARLY MEETING of the proprietors will be HELD at the office of the corpoyation, as above, on Thursday, the 28th day of December next, at One o'clock precisely.

By order of the court,
WILLIAM MILLIKEN, Secretary.

MINING PROPERTY.—Mr. JAMES HERRON, MINE AGENT, 33, CLEMENTS-LANE, LOMBARD-STREET, has received instructions to DISPOSE of SHARES in FIRST CLASS MINES, paying regular dividends, and yielding to the purchaser from 174 to 25 per cent. upon his outlay. He is also in a position to transact business in the following—vix., South Basset, South Wheal Francis, Condurrow, West Buller, South Tolque, Troviskey, West Caradon, Esst Wheal Rose, North Roskear, Tralawny, Mary Ann, East Tamar, South Tamar, Tincroft, Altens, East Crowndale, and Treleigh.

MESSRS. JOHN T. TEAGUE & CO. have received instructions to DISPOSE of SHARES in the following MINES—viz.: North Pool, West Buller, Condurrow, West Scion, Comfort, East Pool, Stray Park, Treviskey, South Frances, Wheat Elizabeth, &c.—MINING OFFICES, 4, KING-STREET, TRUKO. esrs. J. T. T. & Co. are always in a position to BUY and SELL SHARES in all the nor MINES to COR WALL. and DEVON and will gradly furnish parties with any matter temperature with the minester of the control of the con

MR. T. A. READWIN, MINING OFFICES,

MR. H. B. RYE, has BUSINESS to transact, both as BUYER and SELLER in all the leading MINES in Cornwall, Devon, and Wales,.
For particulars, apply at his office, 77, Old Broad-street, City.

MR. R. TRIPP, MINING AGENT and SHAREBROKER, BEDFORD CHAMBERS, BAMPFYLDE-STREET, EXETER.

MR. C. S. RICHARDSON, CIVIL ENGINEER, LAND
AND MINING SURVEYOR.
No. 15, OLD BROAD-STREET, LONDON.

MR. GEORGE BATE, Jun., CIVIL ENGINEER AND
SURVEYOR, WOLVERHAMPTON.

ces in Queen-street, corner of Piper's-row.
N.B.—UNDERGROUND MINING SURVEYS accurately executed.

JAMES LANE, MINING SHARE DEALER, 80, OLD BROAD-STREET, LONDON.

A STURIAN MINING COMPANY.—Notice is hereby given, A STURIAN MINING COMPANY.—Notice is hereby given, that MONDAY next, the 10th December inst., is the LAST DAY appointed for PAYMENT of the CALL of TWO POUNDS per share on the shares in this company, made the 29th September last; and all holders of shares are hereby required to PAY in the full amount of the said call due on their respective shares on or before the said day, otherwise their shares will become forfeited.

K. MACKENZIE, Secretary.

9, Austinfriars, Dec. 6, 1849.

ROYAL SANTIAGO MINING COMPANY.—The directors hereby give Notice, that the HALF-YEARLY GENERAL MEETING of the shareholders will be HELD at the office of the company on Wednesday, the 2d January next, at One o'clock precisely, when the directors will make their report: after which the MEETING will be made SPECIAL, for the election of a director, in the room of Sir Samuel Scott, Bart, deceased.—Any proprietor intending to offer himself to become a director, must leave notice of such his intention, and deposit his certificate of shares to make out his qualification, at the office of the company, at least 21 days before the day of meeting.—3s, Broad-street-buildings, Nov. 24, 1849.

GENERAL MINING COMPANY FOR IRELAND.— Notice is hereby given, that an ADJOUNED SPECIAL MEETING of the proprietors will be HELD at the office of the company on Monday, the 21st of Dec. Inst., at the hour of Eleven o'clock in the forenoon, for the purpose of electing five directors of the company for the ensuing year—the ballot for which will commence at Eleven'clock in the forenoon, and close at Three o'clock in the afternoon of the above day.

2, Burgh Quay, Dublin, Dec. 4, 1849.

THOMAS MAGUIRE, Secretary.

TO THE SHAREHOLDERS IN THE WHEAL CONCORD

TO THE SHAREHOLDERS IN THE WHEAL CONCORD MINING COMPANY.

A PETITION to WIND-UP THE AFFARS of this COMPANY has been SERVED on ME, as purser of this mine, and STANDS for ADJUDICATION before the Vica-Chancellor Knight Bruce on the 14th inst.

The expenses of this proceeding will be very heavy, and will fail on all the shareholders; and with a view to make arrangements for avoiding such consequence, I beg to invite your ATENDANCE at a MEETING of the SHAREHOLDERS, at the office of Mr. James Crofts, 4, King-street, Cheapside, on Tuesday next, the 11th inst., at Twelve o'clock at moon. The equitable contribution of each shareholder towards the liabilities can be easily ascertained; and very heavy expenses will be avoided if each shareholder will immediately a shareholder of the petition will proceed, and an immediate call made for a much larger sum than would place each shareholder in his proper position. Under these circumstances, I have no doubt you will see that it is your interest to attend the meeting above notified.

Callington, Dec. 5, 1849.

CUADALCANAL SULVENCE.

GUADALCANAL SILVER MINING ASSOCIATION.—
Notice is hereby given, that, at a Half-Yearly General Meeting, held this day, it
was resolved,—That this MEETING be ADJOURNED till the 15th day of December.

was resolved,—That this MEETING be ADJOURNED till the 15th day of December.

And Notice is hereby also further given, that the said ADJOURNED MEETING to the HELD on the said 15th December will be made a Special General Meeting, for consideration of and decision upon the following resolutions, which will be proposed—viz.:

Moved by Mr. S. LaWhert; seconded by Mr. T. Uzielli,—

That the 2000 new shares, created by resolution of the Special General Meeting, held the 12th day of September last, be entitled to a preferential division to the extent of cons-fourth of the net profits accruing to this company, and that the remaining three-fourths of the net profits ahali, after payment of the preferential sum above-named, be divided among the whole 6000 shares of which tile company consists, in equal proportions, subject to the following conditions—viz.:

That the said privilences and advantages shall not accrue unless the new shares.

That the said privileges and advantages shall not accrue unless the new shares remaining mailuted, to the number of 730—1250 having been subscribed for—be taken, and the calls already made be paid thereon, on or before the 17th day of December next; and that the resolution of the 12th day of September last be reached, so far as regards the periods fixed for the payment of the remaining instalments; and that in place thereof the sum of 30s., now remaining due, be payable by two instalments of 15s. each, on the 17th day of December next, and the 17th day of January, 1849, respectively.

All parties destrous of availing themselves of any new tent of the resolution.

All parties desirons of availing themselves of any portion of the 750 shares, referred to in the above resolutions, are requested to apply for the same without delay.

By order,

34, Broad-street-buildings, London, Nov. 29, 1849.

Transactions of Scientific Bodies.

	100 (100 (100 (100 (100 (100 (100 (100		
	MEETINGS DURING THE ENSUING WEEK.	- 12	
THIS DAY		31	P.M.
MONDAY	Geographical-3, Waterleo-place	8	P.H.
	Medical -3, Bolt-court, Fleet-street	8 1	P.M.
TURBDAY	Medical and Chirurgical 53, Berners-street	84 :	P.M.
	Civil Engineers -25, Great George-street		
	Zoological-11, Hanover-square		
	Syro-Egyptian-71, Mortimer-street, Cavendish-square	74	P.M.
WEDNESDAY	Society of Aris-Adelphi	8 1	P.M.
WEDNESDAY	Graphic—Thatched House Tavern		
	Microscopical - 21, Regent-street	-	
California Company			
	Pharmaceutical-17, Bloomsbury-square		
	Ethnological-17, Saville-row	8 1	P.M.
	Literary Fund-73. Great Russell-street	3	P.M.
THURSDAY	Antiquaries Somerset-house	8 :	P.M.
	Royal-Somerset-house		
No. of Concession, Name of Street, or other Publisher, Name of Street, Name of	Royal Society of Literature-4, St. Martin's-place		
-	Astronomical—Somerset-house		P.M.
FRIDAY			
	Philological-London Library, 12, St. James's square	8	P.M.
SATURDAY	Asiatie -5, New Burlington-street	2	P.M.
F Common	Westminster Medical-17, Saville-row	8 1	P.M.

INSTITUTION OF CIVIL ENGINEERS.

DECEMBER 4.—JOSHUA FIELD, Esq. (President), in the Chair.

The discussion was continued on Mr. Paton's description of the Southener Pier, and the ravages of the "Teredo Navalis," and other marine worms, and was extended to such a length as to preclude the reading of any original communication. Numerous specimens were exhibited, and commented on, of timber

was extended to such a length as to preclude the reading of any original communication. Numerous specimens were exhibited, and commented on, of timber thoroughly perforated by worms; whilst beside them, under the same circumstances, the "Jarrow wood," from Australia, was shown to have remained completely free from injury.

The reference to the age of Homer, as an instance of the ancient ravaging habits of the "Teredo," induced a return to geological questions; and it was shown that in the London clay remains had repeatedly been found of timber perforated by sea worms. The Oolite and Greensand formations also exhibited petrified wood, filled with boring Moluscæ. This led to the consideration of the formation most likely to withstand the attack of the "Pholas;" and it was shown that the Portland stone was, from the quantity of silica it contained, least liable to be attacked. The "Pholas," was shown to have been in active operation upon certain rocks from the earliest periods, but never upon Portland stone. Hence, it was argued, that kind of stone should be used for breakwaters, and other works exposed to the action of the sea.

The early state of the "Teredo" was noticed; when escaping from the egg, in the shape of a free swimmer, it was drifted about with the tide until it met with a log, a pile, or the side of a ship, to which it attached itself, and making an inroad into it, became a non-locomotive animal of different form and habits, never agan to leave the habitation it had burrowed for itself in the body of the timber. The question, of whether the boring operation of the marine worms was carried on by chemical or by mechanical means, was lengthily discussed. The thin shell, covered by its delicate membrane, was instanced as not possessing strength enough to cut away timber; but it was, on the other hand, shown that the shape of the two shells forming the extremity of the animal, admirably adapted them for powerful cutting, or rasping tools, when moved rapidly in a circular direction, as was evidently the c

The paper announced to be read at the meeting of Tuesday, December 11th, was No. 818, "On the Facilities for Ship, or Canal Communication, between the Atlantic and Pacific Oceans, through the Isthmus of Panama." By Lieut. Col. Lloyd, Assoc. Inst. C. E.

LITERARY NOTICE.

Panthea, the Spirit of Nature. By ROBERT HUNT, author of the Poetry of Science, Researches on Light, &c. London: Reeve, Benham, and Reeve.

The author, whose previous works we have noticed with much pleasure in our column comes now before the public in an entirely new dress—his object in which appears to be to embody the beauties of scientific truths in the various episodes of a fictitious tale of

The anthor, whose previous works we have noticed with much pleasure in our columns comes now before the public in an entirely new dress—his object in which appears to be to embody the beanties of scientific truths in the various episedes of a fettitious tale of real life; and raise the aspirations after true philosophy, and an insight into nature by comparison with the glaring tinsel of false doctrine, and the seductive associations of error. In his preface, he describes the volume as a sketch, in which "an attempt has been made to exhibit the progress of a young and ardent mind, captivated by the beautiful in nature, and allured by the wonders of science, under the influence of the conflicting views which beset our philosophy. The illusions of youth, its visions of beauty, its warm feelings, and its speculative lendencies, all conduce to render pleasing the mysical dreams of visionary thinkers; while, on the contrary, the utilitarian tendencies of the age are coldly reputative to the young and imaginative mind. The object, therefore, has been to describe the contest between the false, seductive by its poetic associations, and the brus, as estimated by the standard of the merely useful. Although there is no particular plot in the narrative, and the characters are few, there has been found room for the introduction of some edifying dialogue, tending to elicit scientific truths, and the language is glowing and elevated.

The outlines of the tale are as follows:—Julian Altamont, son of the Earl of Devonport, manily beyond his years, and manifesting mental powers of the most extraordinary character, is fascinated by the knowledge, eloquence, and instruction of an old man—an adjoining land proprietor—named Laon £1 phage, who is an enthusiast and an alchemist. Laon has a daughter as enthusiastic as her father, having been trained in all the mystic lore which it was in the power of Laon to bestow. Between them they render Julian a perfect visionary; and, in apits of the wishes, of the wishes, and the sentence of the c

HOLLOWAY'S PILLS, A SUPERIOR REMEDY FOR OLD COUGHS, RECENT COLDS, AND ASTRIBATICAL COMPLAINTS.—It is confirmed daily, by persons who have been great sufferers, that these wonderful pills are an effectual cure for old coughs, resent colds, wheretings on the chest, shortness of breath, and asthmatical complaints. Sinch are the extraordinary powers of Holloway's pills that a few doses will give relief to the most obstinate cases of diseases of the chest, and those who have been afflicted for years, and douad every other medicine useless, may, by a little perseverance and care, obtain a permanent cure. They are also an effectual remedy for hourseness and complaints in the throat.—Sold by all draggists, and at Probesor Holloway's establishment, 244, Strand, Loudon.

THE MINES AND MINERS OF CORNWALL.

THE MINES AND MINERS OF CORNWALL.

[Concluded from last week? Mining Journal.]

Causected with almost every mine is a sick club, or benefit seelety, of some kind or other. For the payment of 6d. a week to the club, a miner, when ill, or labouring under the consequences of an accident has the benefit of good medical attendance. If he pays 1s. 3d. a week, he is entitled to such attendance for his family as well as himself, in addition to which he gets a certain weekly allowance, if he is detained from work by illness or an accident. The miners have no option as regards these clubs, the advonturers requiring them to join them. Indeed, a deduction on this account is made from their earnings. There is also a force attacked to such mine, at which the tools used by the miners are sharpened and repaired. For such work as they may have had done at the forge a deduction is also made on each pay day. There is likewise the barber of the mine, who shaves the men, another deduction being made on this account. Further deductions are made for the candles, gunpowder, and as forth, which they may use when at work below. The number and variety of their adeductions may be taken from the following list, which I find in an account now before me:—Subsist and barber, dector and club, candless, powder, hilts, fuse, rope, cans, nalls, shousel, locks, paper, barrows, carvass, smith cost, trimming, wheeling, dressing and labour, tonnage, tramming down, stems, and spales.

following list, which I find in an account now before me: —Subsist and barber, doctor and clab, candles, powder, hilts, fises, rope, cans, nalls, shousel, locks, paper, barrows, carvass, smith cost, trimming, wheeling, dressing and labour, tonnage, tramming down, stems, and spales.

One of the greatest evils attending the employment of the miner is the apsendative character which it assumes. His whole life is apent in a species of gambling. If his "take," as he calls the proceeds of his pitch, is good, he may make 100% in a month; but if he has a series of bad takes, he may work for months without earning anything—ag, more than this, he may all the time be getting in dobt, not only with trademen, but with the adventurers, for the supply of such articles as he uses in mining, and the vapue of which is deducted from his earnings. It is the fifful character of his earnings that justifies the remark made to me by one very competent to decide, that where one hears of a tributor having 14a. or 15a, a week, it is seldom that he can be put down as sevell off as an agricultural labouer, with constant work, at 10a. When men get inured to it, they cling with tenacity to a life of excitement, and such is the life of the tributar. Considering its many disadvantages—the length of time for which it may be worse than unremunerative, and the inroads which it makes upon health—the wonder is that it is pursued at all. The counterbalancing element to all these acknowledged drawbacks, in the tributer's mind, is the great gain that is sometimes made. The circumstances under which the miners thus earn and receive their money impart a general recklessness to their character. Some of them have sufficient forethought and self-control to lay by, in their day of prosperity, what enables them to meet, without difficulty, a series of unlicky adventures. But the bulk of them are too apt to spend their money as fast as they get it—sometimes reveiling in abundance, and a others suffering the very extreme of privation. As a class, they would be

and profile and of the motive the authors greatly only to the control of the cont

causes of disease are impure air and climbing the ladders. The miners when at work have occasionally to encemnier all kinds of particlous gases; i but those most frequently met with are carbonic acid, subjuncted hydrogen, and carbureted hydrogen. The first is the invariable product of respiration and combustion. Sometimes as many as 600 people will be at work at one and the same mine. The respiration of so many in a mine, never ion well ventileased, mast soon contaminate the atmosphere. Many mines, too, be it remembered, are never without large numbers of poople in them. The quantity of gunpowder used is also another means of rendering the atmosphere impure. There are two atmospheres which the miners dread—the "cold damps" and the "poor airs." Of the latter there is a modification known as the "hot poor air." They are constantly well whilst as their work, and subject to great and sudden changes of temperature. At one moment they may be in a profuse perspiration, and at another subjected to a cold and chilling draught of air. From all those causes they are extremely liable to impaired respiration and fatal diseases of the chest. You can almost tell how long a miner has worked under ground from his pale and emaciated look. Some of them attain a green old are, but these are almost invariably such as have abandoned their underground employment after athering to fir far years. If they pursue it for 15 or 20 years, the chances are that their average life will not much exceed 3s years. Even without the impure atmosphere of the mines, the climbing of the ladders would of itself be sufficient to supersind one serious disorders of the heart and chest. The heart is in a state of high pulpitation when the miner reaches the top of the shaft, whilst the lungs are in violent carcelase. It is no wonder, seeing that sometimes they have to climb ladders from times the height of St. Paul's. Dilatation of the boronhalt tubes is a disease very common to them. In some mines machines have been insurated to a passage the product of th

the winding-up and discharge of the liabilities of this company.

DIRECT LONDON AND EXETER RAILWAY.—The final settlement of the list of contributories in this company was proceeded with on Friday, by the Master in Chancery, Brougham, at his court in Southampton-buildings, Chancery-lane. After hearing counsel and solicitors, who objected, on the part of various allottees, that as the proceedings of the company were founded in fraud the subscribers thereto were discharged from liability, and all of which objections were overruled, the Master decided that all alledtees upon the first list-namely, those who had paid the deposit and signed the deed, and all those upon the second list—namely, those who had not paid the deposit and signed the deed—were liable to be placed upon the list as contributories, which was then finally signed and settled. The third list, containing the names of upwards of 1000 allottees who neither paid the deposit nor signed the deed, has been disallowed, and they will be discharged from liability. The main question, involving the liability of the directors, remains to be determined.

ROYAL THAMES STRAM NAVIGATION COMPANY.—The winding-up of the

The Britannia Bridge —The floating of the second great tube of this bridge was to have taken place on Monday last; but an accident occurred, which compelled a postponement. At 10 o'clock, when all were at their postpone of the great 3 in. cables, reaching from the pontouns to the opposite shore, snapped asunder. On a careful examination, it was said to have been partially cut through by some miscreant; but it was subsequently stated to have been caused by the iron keel of a large vessel from Carnarvon passing over it. On Tuesday morning, a new cable having in the meantime been fixed, the operation was again commenced. At 11 o'clock, Messrs Stephenson, Clark, Brunel, Bidder, Wild, and Capt. Claxton, ascended to the top of the tube, and gave the signal to "heave to," when the ponderous fabric was instantly in motion, and gradually passed out about 150 yards into the stream, with its end towards the tower. After a few vigorous heaves, the mass glided obsequiously into its place—the operation occupying just one hour; and not a minute was then to spare; for so rapidly did the tide fall, that in a few minutes there was a space of from 8 to 10 feet between the water and the bottom of the tube. It will be about three weeks before the lifting commences—the masonry having to be filled in; and it is thought the successful floating may cause one side of the bridge to be completed for the passage of trains by Feb. Should it be opened even in March, it will have been four years in operation; while the Telford Suspension Bridge was eight years before completed. The portion of the tubular bridge floated on Tuesday was 472 ft. long, and weighed 2000 tons. The quantity of iron in the Telford Bridge, in proportion to the tubular one, is as 1 to 15. For floating the giant mass eight pontoons were employed, each 100 ft. long, 25 ft. wide, and 11 ft. deep, with a floating power of 3400 tons. Up to the present time there have been constructed in the towers 2,500,000 cubic feet of masonry, giving 3 cubic feet per minute since the comm

Proceedings of Public Companies.

MEETINGS DURING THE ENSUING WEEK. Torsiday.....Wheal Concord Mining Company—offices, at Twelve.
THURRIDAY...Oriental Bank Company—offices, at One.
General Annuity Endowment Assurance Company—London Tavern, Two.
SATURDAY...Guadalcanal Silver Mining Association—offices, at One. (The meetings of Mining Companies are inserted among the Mining Intelligence.)

PENINSULAR AND ORIENTAL STEAM NAVIGATION COMPANY,

The ninth annual general meeting of the above company was held at their ffices, Leadenhall-street, on Thursday last, the 6th inst.,

JAMES MATHESON, Esq. (chairman of the board of directors), in the chair.

There was a very numerous attendance of the proprietors present.

The advertisement calling the present, and the minutes of the last half-yearly meeting, having been read by C. W. HOWELL, Esq. (the secretary),

meeting, having been read by C. W. HOWELL, Esq. (the secretary),

The Chairman said, they had now come to that stage in their proceedings
when the annual report should be read, and he had great pleasure, on the part
of the directors, in congratulating the meeting on the continuance of that high
degree of prosperity by which the company had hitherto been so fortunately
distinguished. But he would not detain them longer from hearing the secretary read the report.

The following report was then read by Mr. HOWELL:-

quanty now amounts to 104,000.—a receive which may consider adoptate to meet each of the company's floor during the least is mooths. That fortunate chromatone, together with the discontinuation of effecting insurances with underwriers, leaves such a balance of an experiment of the company's floor during the least is mooths. That fortunates chromatone, together with the discontinuation of effecting insurances with underwriers, leaves such a balance of making a payment of about 11, per share to the proprietors, on account of them, their making a payment of about 11, per share to the proprietors, on account of them, their making a payment of about 11, per share to the proprietors, on account of them, their making a payment of about 11, per share to the proprietors, on account of them, and the company of the company occupies, in the company occupies, indicated the company occupies of the co

required in the east. An abstract of the proceedings of the Parliamentary committee, which the directors have authorised to be circulated among the proprietors, will have informed them more particularly on this subject.

APPOINTMENT OF A MANAGING DIRECTOR.—In accordance with the intention intimated in their last annual report the directors have, by virtue of the power vested in them under the Deed of Settlement, appointed Mr. James Allan to the vacancy in the committee of management, caused by the decease of Mr. Francis Carleton. In fixing Mr. Allan's endouments, they have deemed it advisable to adhere to the principle on which the remuneration of the original managing directors was arranged—namely, that of identifying the personal interest of those on whose skill and exertions the properity of the enterprise must so essentially depend, with the interest of the proprietors. In accordance with that principle, Mr. Allan's enton, being accounted for and paid over to the company; the one-third of the net amount of the commission on receipts and profits, as formerly received by the late Mr. Carleton, being accounted for and paid over to the company by the two surviving original managing directors—Messrs. Willox and Anderson.

Elections of Directors and And Poddors,—By the conditions of the Deed of Settlement, two directors, and also the two auditors, go out of office this day, and the proprietors are now called upon to fill up the vacancies thus occasioned. The outgoing directors by ballot, M. De Zulueta and Mr. Hadow, and the auditors, Hon. J. T. T. Leslie Melvillie and Mr. Haunter, being willing to serve again if re-elected, and being under the terms of the Deed immediately re-eligible, the court cordially recommend these gentlement by your choice.

Diviners.—The directors now recommend that a dividend of 4 per cent., clear of in-

choice.

Divides D.—The directors now recommend that a dividend of 4 per cent., clear of income tax, for the half-year ending 30th September last, be declared, and be payable or and after the 22d inst.

PENINSULAR AND ORIENTAL STEAM NAVIGATION COMPANY'S FLEET.

SUEZ AND CALCUTTA SERVICE.	
Hindostan 520	Horse-power.
Bentinck , 1800 520	
Precursor 500	11
Haddington 500	
Oriental , 1600 500	**
BOMBAY AND CHINA SERVICE.	
Pekin	
4-5/11	,,,
	**
	.41
Braganza , 800 280	39
Lady Mary Wood , 650 260	11
CANTON LOCAL SERVICE,	
Canton	
SOUTHAMPTON AND ALEXANDRIA SERVICE.	
Indus Tons 1400 450	
Ripon , 1500 450	
Pottinger 450	"
CONSTANTINOPLE AND BLACK SEA SERVICE.	
Sullan 400	
Euxine , 1100 400	
Tagus 900 280	
Erin 850 280	
	91
PENINSULAR AND ITALIAN SERVICE.	
Montrose 240	**
Iberia 600 200	10
Pacha 600 210	
Jupiter 600 260	
Madrid 500 160	100
	11

Mr. GLENNIE, in moving that the report read be adopted and circulated, said that he had the more pleasure in doing so because he folt confident that there was no individual amongst the great body of their proprietary who did not believe that the board of direction, by whom the management of their effairs was administered, was entitled to their most implicit confidence and gratitude. In accordance with a resolution passed at their last meeting, a statement of the accounts of the concern was laid before the proprietors, and he was happy to say that they were of such a nature as to suggest feelings of the liveliest satisfaction amongst them. In reference to the reserved assurance fund adverted to in the report, he was happy to be able to inform them that there was a probability of the production of a bonus next year, and he mentioned that circumstance merely as an illustration of the care and wisdom which their directors brought to bear upon the consideration of every new engagement and them. Proveding before calling on the proprietors to give the report of the company's field of operation was in contemplation, which he had no doubt would be carried out with the same agacity and success which had brought their affairs into the fourishing condition in which they were. If they went on, he had no doubt they must succeed, and he sincerely hoped they might go on, if only for the purpose of giving him, and those who know the position of the company an opportunity of investing more money in it. It would be seen that they recommended that there should be no preference in the content of the conte

The CHARMAN said that a proposition had been made by the board of direction, which had been adverted to at the last meeting, to present Sir J. Pirie with a testimonial for his services to the company in Egypt. Sir J. Pirie, however, from a sense of delicacy, wished that such a proceeding should not emanate from his colleagues in the direction, who, therefore, took that opportunity of placing the matter in the hands of the proprietors, and calling on them to deal with it as they thought fit.

Mr. Morris pronounced a high eulogium on the indefatigable zeal which Sir J. Pirie had displayed in behalf of the company, and took occasion to contrast the clumsy travelling arrangements in the east under the old régime, with the comforts of the present system, which had been introduced principally by the exertions of Sir J. Pirie, to whom the company and the public owed a debt of gratitude which it would be difficult for them to repay. He concluded by proposing that a sum of 250t, be allotted to the directors to appropriate to the procuring such a testimonial to Alderman Pirie as might be most gratifying, it being at the same time understood that the sum named was not by any means a measure of his services, but merely a recognition of them.

Major Moors acconded the resolution, and referred in complimentary terms to the services rendered to the company by Sir J. Pirie.

Saveral shareholders, however, objected to the smallness and inadequacy of the sum proposed, and an amendment was proposed to the effect that 500t be allocated to the purpose. This proposition having met with universal assent, Mr. Morris altered his resolution accordingly, and it was unanimonaly resolved, amid loud cheering, that a sum of 500t, be devoted to the purchase of a testimonial to Sir J. Pirie. The outgoing directors, Messra. de Zulueta and

Hadow were re-elected, and severally returned thanks. The auditors of the cou

pany were also re-elected.

A dividend of four per cent, for the half-year, free of income tax, was declared, and the proceedings were brought to a close with a vote of thanks to the chairman and board of direction, for the zeal and ability with which they administered the affairs of the company, which was carried by acclamation.

POREIGN INTELLIGENCE.

POREIGN INTELLIGENCE.

SOUTH AUSTRALIA.—We learn, from a correspondent, that mining is looking somewhat better in the colony, in consequence, it is presumed, of the rise in copper. Nearly 20 tons of ore, making a produce of 30½ per cent., have been sent from Lyndoch Valley Mine. The Paringa proprietors are letting their lands for mining at 1-16th dues; while, it is said, the South Australian Company are asking 1-7th, but this they will never succeed in obtaining. We learn from the papers, that "the wonders of the Burra Burra seem daily to increase. The 20 fm. level was far superior to the former, and exceeds the most sanguine anticipations of the miners and of the association.

"The Copper Patent Company are at last in full operation at the Burra sanguine anticipations of the miners and of the association.

"The Copper Patent Company are at last in full operation at the Burra sanguine anticipations of the miners and of the association.

"The Lopper Patent Company are at last in full operation at the Burra Burra Mines: Twelve dray loads of copper are on the way to Adelaide, as a commencement, and the exports of copper ore, during any equal period, from these celebrated mines.

"In the absence of other business, the Yatala Smelting Company have commenced manufacturing copper wire, a specimen of which, of superior quality, may be seen at the Exchange."

It is stated that "the success of the Enterprise Mining Company at Lyndoch Valley bids fair to be complete. Small samples from the bulk of ore raised (not merely mineral specimens) have been exhibited at the Exchange and elsewhere in Adelaide. The malachite and muriate of copper closely resemble similar species from the Burra Burra Mines; and one assay, by Capt. R. Davey, yielded 52 per cent."

THE NEW GOLD REGION.—On the 24th November we mentioned the receipt of advices from Bolivia, giving an account of the discovery of a gold region in that republic, on the eastern side of the Andes, about seven days' journay from the city of La Paz; the deposits, which are of a

California are avoided here, and a better system adopted, owing to the enforcement of the usual mining regulations of the country. It must be borne in mind, that all these are comparatively new fields for enterprise. Every day fresh and more important discoveries are making."

CALIFORNIA.—The following letter has been addressed to the Times:—

San Francisco, Rept. 30.—The rapidity with which this place is rising into a great commercial city is wonderful. Not many months ago its sits was sparely dotted with huts, containing a small population, dreaming away an indolent existence, without trade, rather than an engine of commerce, and having little intercourse with the rest of the world. The transformation, from its suddenness, seems magical. The building of houses of every imaginable shape, size, and contrivance—of shops, warchouses, and stores—of wharfs, jettles, and the like, be pursued with an energy that tends port of San Francisco alone 230 fine merchant vessels, representing 94,344 tons of shipping, and the number is dally increasing, and many more reported as on the way. There is such a constant indus of goods, of which a great proportion is unsuitable to the wants of the people, as decide of Stockton and Sacramento. The consequence is that frequently whole cargoes are sacrificed. Preserved meats, fruits, vegetables, and pickles, sell remarkable well, as does lumber. Frame houses are now so abundant that the price has fallen at least of per cent. Lumber being plentlini, and there being now sufficient barries. An important gold discovery has been made lately on a property belonging to Colonel Fremon (see Mining Journal of last week) the great explorer of this country, and whose travels across-the flowly mountains are well known. The gold has been found inholded in a matrix and the second of the property and the second of the colonel premote the second property belonging to Colonel Fremot (see Mining Journal of Last week) the great explorer of this country, and whose travels across the flowly made and the se

CHILL.-From Valparaiso, the accounts of the 30th September state copper in bars was quoted at 14, copper ore at 50 to 60 per cent. at 6, and ditto of 20 to 25 per cent. at 2.25; Pina silver 9.25; and silver in bars, at 10 to 12. At Lima the quotations were, for gold in bars, 1 real quilate and 4 per cent. prem.; silver in bars, 10 pesos 2 rs. on board. At Copiapo a railway had been projected, by Mr. Wheelwright between that place and the port. A company, to consist of only 16 shares, at \$50,000 each, had been formed, and at the first meeting 14 shares, or \$700,000, were subscribed for.

the first meeting 14 shares, or \$700,000, were subscribed for.

From Canada we learn that serious troubles have taken place in the mining districts on Lake Superior, arising out of the difficulties between the Chappowa Indians and the Government; or, as another account represents, the trouble is owing to the Quebec Mining Company having refused, or being unable, to pay the Indians for the land they had purchased of them. The Indians can muster 1000 warriers, 300 of whom, and 30 whites, with 3 pieces of cannon, were on their way to the mines; and 100 soldiers, with artillery, have been ordered from the nearest station to the scene of hostilities. The military department are making formidable preparations.

According to an Imperial ukase, dated the 23d of November, the exportation of gold and silver, which has been prohibited since May, 1848, will again be allowed from St. Petersburgh on and after the 18th mst. The navigation will then be entirely closed, so that the shipment of specie will be impossible, but the existing rate of exchange being 37 5-16d, to 374d., there would be a considerable profit even in sending it overland, and the arrival of considerable sums may, therefore, be expected.

THE MINING JOURNAL,

The Compendium of British Mining.

TINCROFT THE AND COPPER MINING COMPANY—In 5000 scrip shares, passing from hand to hand without transfer; price 12l. per share; dividends paid this year 2100l., or 7s. per share, being under 5 per cent. The mine belonging to the company is very extensive, and with powerful and efficient machinery. The quantity of ore discovered is estimated at above 80,000l., and it is fair to presume that much larger dividends will be paid in future—the large outlay made on the mine now coming into profitable play. The mine is situated in the midst of the richest mines in the CONDURSON THE AND CONDUCT THE AND CONDURSON THE AND CONDURSON THE AND CONDURSON THE AND CONDUCT TH

CONDURROW TIN AND COPPER MINING COMPANY.—(For general statistics, see Mining Journal, May 12, 1849.) In 256 shares; price 80l. to 90l. per share. Condurrow is a mine upon which a large outlay has been made, and is now coming into profitable working, with great prospects of continuance. Only one dividend has been declared, which amounted to 3l, per share; another of like amount is shortly anticipated. There is an impression abroad, that greater returns could, and ought to, be made from this mine.

LEVANT TIN AND COPPER MINE—In 160 shares; price 170l per sha has paid this year 40l per share dividend, or more than 20 per cent. I mine is one of the oldest, and has been one of the richest in Cornwall.

WEST PROVIDENCE TIN MINE—In 256 shares; price 30*l.*; paying dividends quarterly, at the rate of 8*l.* per share per annum, or more than 25 per cent. The dividends paid this year amount to 8*l.* per share—the last being noted in October than 25 per cent. The dividend the last being paid in October.

[To be continued in next week's Journal.]

Mining Correspondence.

BRITISH MINES.

BRITISH MINES.

ALFRED CONSOLS.—The shaftmen were engaged all the week fixing the new plunger-lift, and completed it on Saturday last; it answers very well. This morning the water was drained at the bottom of the mine, and now we are in a position to resume the driving of the 60 fm. level. The shaftmen will be engaged fixing the drawing-lift under the 60 fm. level; this being done, we shall be able to shik the shaft, and drive the different levels in regular order. You will see from this that there is nothing done in the shaft or driving of the levels at the bottom of the mine since my last report.

BARRISTOWN.—The lode in the 18 fm. level, west end, is looking better for one than last reported; it is now producing from 8 to 10 cwts. of lead per fm. We have driven 4 fms. on this lode, and it has been very regular, with a better appearance of lead in the bottom of the level; in stoping the back of this level the lode looks much the same as last reported. The lode in the 24 fm. level, at Klin shaft, is much the same as last reported, principally blende, mixed with lead. The stopes in the bottom of add tevel, west of the slide, is still producing some ore, but poor.

BEALBURY (COPPER AND SILVER).—The open cutting and add it is now cleared unwards of 100 fms. to the engine; and as soon as the water is drained we shall be able to raise ore in the 20 fm. level, where it was seen at the last workings. We intend opening a cross-cut from the addir level to the silver (or caunter) lode, where it is very large, with same promising appearances, and in similar atraits to the rich lode in Wheal May, not far distant. In the caunter lode, silver was seen at the last workings, and we fully expect some valuable discoveries will soon be made here. Several branches have been seen in the addir level, dropping into the lode at a greater depth, of a highly promising charactors, and, according to the unanimous opinion of the respectable agents who have inspected the mine, it will prove a most valuable discoveries with level of the sil

mising character, and, according to the unanimous opinion of the respectable agents who have inspected the mine, it will prove a most valuable property.

BEAM (Tix).—We still continue to raise and sell tin of excellent quality from this mine. I perceive that the price of the best tin sold from Great Polgooth, at their last sale, as stated in your Journal of last week, amounted to 41. 10s. 6d. per ton. Great Polgooth is well known for the great quantity of tin raised, and for the good quality of it as common mine tin. The black tin sold from Beam Mine is fit to make "grain" tin, commonly called in our tin bills "sell" tin. Our best sample, which was sold to Messars, Danbuz, St. Austell, on 30th Nov., brought 35f. per ton, which will be perceived to be 13f. 9s. 6d. per ton above the good tin at Great Polgooth, and 13f. 10s. per ton above the very best of Ashburtou United tin, as stated in the Mining Journal of 24th Nov. The tin from Beam Mine never wants burning before it is carried to the smelting-house, as a very common with a great quantity of tin raised in mines. I received for 4 tons 4 cwts. 3 qrs. 24 lbs. of tin sold from Beam Mine, on the 30th Nov., 214f. 12s., which amounts to, for leavings, tin, and altogether, 50t., 10s. per ton, while the average price of Great Polgooth for 52 tons 10 cwts, is about 41f. 5s. per ton. I received per ton, on an average, for tin from Beam Mine, over and above ton the plan, and described in the prospectus (and a larger quantity than that, if required, may be raised), that will amount to 370f. per month, over and above the average price on 40 tons of good mine th, without any extra labour or extra expense. I have made these remarks deem cannactions. As also a substant and the second proposed to the prospectus (and a larger quantity than that, if required, may be raised), that will amount to 370f. per month, over and above tin average price on 40 tons of good mine th, without any extra labour or extra expense. I have made these remarks deem cannactions.

BEDFORD UNITED.—The lode in the 103 fm. level, east of the engineshaft, is producing good stones of ore; in the 103 fm. level, east and west of Burley's
winze, there has been no lode taken down. The winze in this 50 has been communicated
to the rise, and we have resumed driving the 90 fm. level, it which the lode is 16 in. wide,
saving work. We have commenced sinking a winze in the 90 (about 18 fms. east of the
cross-course or slide), the lode is 4 ft. wide, and will yield 4 tons of ore per fm. We are
still driving by the side of the lode in the 70 fm. level east. We weighed at Morwelham,
on Friday last, Sept. ores, 119 tons 13 cwts. 2 qrs., and sampled Oct, ores, 120 tons.

on Friday last, Sept. ores, 19 tons 13 cwts. 2 qrs., and sampled Oct, ores, 120 tons. BLISLAND CONSOLS (TIX AND COPPER).—We have intercepted a branch of elvan in our adit, and have gone through it, it is 2 ft. 8 in. wide, apparently without underlay; it is ground on the other side is easier of working, and we are setting on with all appeal. I consider it a great advantage having the elvan course in the grantic, as side a good sign, and most productive tin lodes have it. We shall flush our weight, as the agood sign, and most productive tin lodes have it. We shall flush our weight, and it is not appeared to the productive of the productive tin lodes have it. We shall flush our weight of it. Those next week you will be down to set it going, so that we may lose no time in enking our engine-shaft and bringing tin to market, which we shall now speedily do. The 3-inch pumps ordered will be fully sufficient to keep the [water. Capt. Williams was here last week, and inspected the mine for some gentlemen.

-The lode in the 10 fm. level driving west from the engin

BRYN-ARIAN.—The lode in the 10 fm. level driving west from the engine-shaft is still disordered, although at times we have good stones of lead ore from it; the cutting down of the south part of the lode left standing in the rise over the back of the 10 fm. level, east from the shaft, still continues, and will yield I ten of ore per fm. The stopes east and west of the winze, under the deep add it level, will each produce 15 cets. of ore per fm; the stopes in the back of the deep add it level, east from the shaft, are up to the old men's workings; therefore they are suspended for the present, until we clear away some attle and deads, which will take a fortnight to do from this time. The lode in the addit level east from the shaft is improving; we have had fine stones of ore from the lode within relast few days; the stopes in the back of this level, west from the shaft, will produce 8 cwts. of ore per fm.; the 10 fm. level east produces 1 ton of ore per fshom.

CALLINGTON.—At the north mine, the ground in the 125 fm. level cross-cut continues much the same for driving as last reported. In the rise in the back of the lode will produce from 3 to 4 cwts. of silver-lead ore; in the 112 fm. level south the lode will produce from 3 to 4 cwts. of silver-lead ore; in the 112 fm. level south the lode will produce from 3 to 4 cwts. of silver-lead ore per fm. The 99 fm. level south the lode is a freezent wages. The diagonal shaft, sinking below the 80 fathom level, is now down about 7 fms. below the latter level. The 70 fm. level east, on Kelly Bray lode, will produce 1 for 0 copper ore per fm., the lode being about 1 § fx. wide, composed of spar, peach, mundie, and copper ore. At the south mine, in the 125 fm. level south, the lode is at present small and unproductive. In the 120 fm. level south we are opening, tribute ground. The 112 north is still disordered by the cross-course. We sampled this day computed 51 tons of rich silver-lead ores, samples of which are for warded to different smelters.

is at present small and unproductive. In the 112 fn. level south we are opening tribute ground. The 12 north is still disordered by the cross-course. We sampled his day compated it tons of rich silver-lead ores, samples of which are for warded to different smelters. CAMBORNE CONSOLS.—Our prospects in the silver lode, in the 20 fm, level, are still very satisfactory; for while the ead has been producing some excellent silver ore, the back (which we have commenced stoping by two men acquainted with the nature and quality of the ore, and the matrix in which it is found), have been opening upon a fine bunch of silver ore, accompanded by native silver, and we have a good pile of it to draw to-morrow. Although it was all new to us, and we had to make various preparations for dressing, we are in this respect progressing very well. To-morrow, or the following day, we shall complete temporary erections for dealing with the cobbed, or secondary ore. In the process of dressing silver ore, and especially such as ours, it is no ceasing very cuture to call that which is now at the surface, and will be ready for sale. I hope in about a fortalpit, from 2 to 4 tons, and I hope there will be no occasion to complain of the quality. After this, I hope to effect monthly sales. The 40 fm. Level, apon the silver course, is yet unproductive, and may be expected to continue so for 10 fms. more, to drive which will probably take about three morths. You will perceive, by the working plan forwarded this morning, that these levels, as they reach the several copper lodes therein delineated, will unwater and drain them to the depth of 80 fms, so that (coincided with these levels) notwithstanding the allow role is a primary object, the draining through it of the several valuable copper lodes, already discovered, is a vary prominer one. Our cannier lode continues to produce very fine stones of ore, and gives out a quantity of water; in short, all who have seen if quite agree in the opinion that it will be productive of vast quantities of ore b

and afterd us includes for dealing with our silver and copper ore which we do not possess.

CARADON UNITED.—The engine-shaft is down 6 fins. 3 ft. under the 50; the hard ground from the south part of the shaft is still increasing on us; the lode is now quite gone through the shaft. We have a fair channel of ground between the lode and the hard ground; this is about 4 ft. wide; I at month we sunk 1 fm. 5 ft. 6 in; ; we had to change a working barrel, and to do several other jobs in the shaft, which threw us back a little. On this hard wall that is coming out on us we finds some good portions of yellow c-pper ore, and also portions of malleable copper. In the 50 south we drave last month 1 fm. 3 ft. at 10.1 to. per fm., and 3 ft. at 121, per fm. We are still giving 141, per fm, for the shaft, and 122, per fm. for the cross-cut.

COURT GRANGE.—I am still enabled to send you cheering accounts from Court Grange; there is a good course of ore in the bettom level westward, of the sert of which I sent you a sample. There is also a good surrows of the seatward, but a little mixed with blende. There are a great many tunnels state to be stated if for enabling, and the mill is getting ready as fast as possible—the pillars are units and I think the machine will work on Westmand years to shake the pillars are units and I think the machine will work on the shake pillars are such as the country are in the country of the same days. We intend to make a push to get this mill ready with the utmost dispatch, and be well into returns in December; but we will write you when we can send off the sample of a parcel of ores.

of a parcel of ores.

CWM ERFIN.—The engine-shaft, from the 20 fm. level to the 30 fm. level is down 6 ft. The stope over the 20 fm. level, 10 fms. east of engine-shaft, is worth 7 per fm.; the stope from 20 to 30 fms. east is worth 37 per fm.; the stope from 30 to 40 fms. is worth 124. The winze under the 20 fm. level, 25 fms. east of engine-shaft, is worth 62 per fm. The 30 fm. level, cast of engine-shaft, is poor; the 20 fm. level, east of Eobert's winze, is worth 20. per fm. The stope in Robert's winze, or the 20 fm. level, is worth 20. per fm. The 30 fm. level, west of Robert's winze, is worth 104. per fm. We are at present dressing at the rate of 20 tons per month; but as soon as we canget the 20 fm. level through the east of whim shaft to Robert's winze, our returns will be much larger, and our cost will be no more than it has been. I hope to get that plece of ground through in three or four weeks, as there are but 6 fms. to cut.

DADEN No. 30 We are now cutting over the level Coal edit to need.

three or four weeks, as there are but 6 ms. to cut.

DAREN.—Nos. 29.—We are now cutting open the level Coed adit to prepare it for a railroad to bring out the stuff from the mine, which is now very costly; but will then be delivered to the crusher at a moderate cost. The ore ground, both in level Coed and the middle adit, is very good, and will leave a good proft on working. Of its extent at present, we cannot speak decidedly; but, taking the height from level Coed, there are 80 fathoms of backs. I suppose that we have broken in the mine about 10 tons of ore, worth, at present price, 150%, or something more.—Dec. 5.—The stopes in Daren are looking very well in the shallow adit level. The men that were stoping in the level Coed are now driving a cross-cut towards Cwm Symlog lode. As soon as the machiner; is erected, we shall be able to send in a good many tons monthly; I wish this was now the case, as lead is now bringing a good price.

DEVON AND COURTENAY.—The lode in the end driving west, in the 40 fm. level, is still divided, having a horse of killas in the middle, mixed with veins of lead ore, white iron, and spots of ore. In the end driving east, in the 50 fm. level, on the goosan lode, the lode at present is not more than if R. wide, composed chiefly of spar, at the same time producing, in some places, good stones of ore. The sumpment are progressing with sinking the engine-shaft as fast as possible—ground at present rather hard. The pitches continue to look well.

EAST CROWNDALE.—Since my last the 28 fm. level east has improved.

Ine pitches continue to look well.

EAST CROWNDALE.—Since my last the 28 fm. level east has improved, it is now worth 12t. per fm.: the lode is 5 ft. wide, with a good leader on the south wall. No alteration since my last in the 28 fm. level west; still producing good; saving work, worth 8t, per fm. The tribute pitch, in the back of the 17 fm. level, is also producing fair work, and the men are getting wages. Our tin for November will be from 3 to 4 tons, which will cover all costs for the month, and if our present prospects continue, we shall make profits on the two months of November and Docember. Inclosed you have the sale of the copper ore.

make profits on the two months of November and Docomber. Inclosed you have the sale of the copper ore.

EAST TAMAR CONSOLS.—The engine-shaft is sunk 2 fms. 1 ft. under the 80 fm. level; the ground is more favourable for sinking, and the lode in the bottom much improved; it is now 3 ft. wide, with a branch, 10 in. thek, of good work. In the 80 fm. level the lode in the south end is 3 ft. wide, very easy for driving, but at present yields only a small quantity of lead. In the 70 fm. level the lode in the south end is 3 ft. wide, composed of tender can, and worth 5 ewts. of lead per fm.; this end has been extended 8 fms. 3 ft. during the past month, and the lode has yielded, on an average, 7 cwts. of lead per fm. for the whole distance; in the north end, in this level, the lode is 4 ft. wide, and worth 8 cwts. of lead per fm.; this end is advancing under ground that was more productive in the 60 fm. level. The stopes in the back of this level are suspended, and the men placed to rise against a winze, partly sank from the level above. In the 60 fm. level the lode in the south end is still in a disordered state, but the water is issuing freely from the bottom offthe end, and we, therefore, expect an almost immediate improvement; in the north end, in this level, the lode is 2½ ft. wide, worth 9 cwts. of lead per fm. and likely to continue equally productive. The tribute department is looking better than usual, and affords a fair prospect of our being able to increase the returns. The cre sold lately to Mr. Thomas Somers was shipped on Thurady last, and weighed 70 tons.

EAST WHEAL GEORGE.—We commenced operations on the 19th Nov., and have since progressed favourably, but have been much impeded by the heavy rains. The loty is now opened 37 fms. from the river, and requires to be driven about 6 fms. to take the lode, which I expect will be done in a week from the present time, when we shall at once commence raising ore. In costeaning in another part of the sets, the lode has been proved at 8 ft. below surface, but cann

As soon as the weather permits, we shall commence working on Mr. Adams's land.

ESGAIR LLEE.—The following is an account of our setting for December:

—The deep adit, east of the cross-cut, on the north lode, by six men, 4 fms. stent, or the month, at 6 l. per fm., drove last month 2 fms. 3 ft. 9 in.; the lode worth, on an average, 4 l. per fm. The winze to sink below the 12 fm. level, by six men, 8 fms. stent, or the month, at 7 l. 10s. per fm., sunk last month 2 fms. 3 ft., 4 in.; the lode at present is poor. The 12 fm. level east, on the caunter lode, by six men, 6 fms. stent, or the month, at 2 l. 10s. per fm., drove last month 9 fms. 1 ft.; the lode is 4 ft. wide, and is composed of the very first quality gossan, with some stones of lead, and looking very promising. The deep adit, east from the base of the hill on the caunter lode, by six men, 6 fms. stent, at 6s. per fm. We have not yet holed the shallow adit west of Morgan's winze to the one cast from surface; but in order to keep within the limits of my last estimate of the monthly cost, I will put some of the six men from the deep adit on the caunter lode, to connect the two shallow salts with \$\frac{1}{2} \subseteq \frac{1}{2} \sub

elow the adit.

HEIGNSTON DOWN CONSOLS.—The lode in the 20 fm. level, west of itchin's engine-shaft, is without any important alteration since my last report, still looking kindly. In the 35 fm. level, east of the cross-cut, the lode has produced some good wing work for copper ore in the past week, with indications of further improvement. In the winze sinking under the 35 fm. level the lode is much the same in character as reported on, still showing good gossan in a lode 2 fw. wide. In the 45 fm. level cross-twe have intersected another branch of spar in the past week, and the lode is giving it additional water, which circumstance, added to the appearance of the ground, induces the lotter of the still provided in the 100 fm.

the belief that we are getting near the north wall.

HOLMBUSH.—The lode in the 120 fm. level south is 5 ft. wide, composed of hard quartz and stones of lead. The ground in the 120 fm. level cross-cut south, driving to intersect the flap-jack lode, is still favourable, being set at 4t. per fm. The lode in the 110 fm. level south is 3 ft. wide, composed of soft quartz, prian, and stones of lead; at present it has a much kindlier appearance for 'producing a greater quantity of lead than for several fms. driving. The flap-jack lode in the 100 fm. level, east of the great cross-course, is 3 ft. wide, and will produce 3 tons of copper or per fm. On the 27th Nov. we shipped on board the Ann, of Plymouth, 30 tons of silver-lead ores (dry weight), consigned to Mears. Pontifex and Wood, Newcasilc-on-Tyne; and on Friday last we sampled 100 tons of copper ores, 40 tons of which have been raised from the 100 fm. level on the flap-jack lode, the per centage of which, when ascertained, shall be sent you—the selling list will accompany the above.

KIRCKUDBRIGHTSHIRE.-The lode in the 62 end west is 5 feet wide KIRCKUDBERGHISHIKE.—The lode in the 62 end west is 5 feet wide, yleiding 15 cwts. of lead per fin.—wo have resumed diving this end again this week; the lode in the winze is 5 ft. wide, yleiding 10 cwts. of lead per fin., but very trouble-some for sinking at present—this is over, and a little to the west of the 62 end. The lode in the 50 end cast is not yet improved; the lode in the 50 end west is become too large to carry in the end. We have had a branch of lead on the north of the flockan worth about half-a ton per fin., with a deal of fine copper ore mixed with spar by the side of it, but we have not got either wall. We intend to put a strong force in Stewart's shaft this week. We shipped another cargo of 40 tons of lead, on Thursday last, for the Holywell market.

LAMHEROOE.—Nor having as yet intersected the lode in the engine-shaft, have nothing important to communicate since I last wrote; the cross-cuts are concuing north from each shaft, ground more favourable for driving.

tinuing north from each shaft, ground more favourable for driving.

LEWIS.—Since my last report we have driven the 80 fm. level 5 fms. west rom sump shaft (through a very promising lode, 2 ft. wide, with some spots of tin), which is holed to the sump whim slaft, where we have now a good discharge for the stuff. The lode in the 70 cast is 3 ft. wide, worth 80t. per fm. The 70 cast from sump shaft, on the south branch, is worth 7t. per fm.; the stopes in the back of this level are worth 20t. per fm. The 60 cast from sump shaft, on south branch, is 1 ft. wide, awring work; the 65 couth from sump whim shaft is much the same as when last reported. In the 50 cast, on south branch, the lode is 10 in. wide, producing some good stones of tin; the 50 cast from coupler ore shaft, or Cock's branch, is worth 5t. be, per fm.; the lode in the 5d, cast from object on the producing some good quality tinstaff. The lode in the 40, cast from copper ore shaft, on Cock's branch, is worth 5t. be, per fm.; the lode in the 40, west from copper ore shaft, on Cock's branch, is worth 5t. per fm.

MENDIP HILLS.—I have no particular change to report to you this week.

40, west from copper ore shaft, on Cock's branch, is worth M. per fm.

MENDIP HILLS.—I have no particular change to report to you this weel
in the appearance of any part of your works at Charterhouse; the men are still engaged
in extending the cutting towards the eastern part of the valley, where the beds of slag
stuff are about 14 ft. thick, producing some very good slags. At Ubley we are progress
sing with the incline plane towards the bottom of the valley—agood pile of slags has beer
washed from this place during the past week, as also a little alines, assay of which I have
made, and find it contains 39, per cont. of .metal.—At Blackmoor we are now getting
pretty near the bottom of the valley, where I think, on the whole, we have an improvement in the staff now removing to the washing floors.

SOUTH TAMAR CONSOLS.—The groups shaft is sunk 3 fees 1 to note.

precey mean one outcom or the valley, where I think, on the whole, we have an improvement in the stuff now removing to the washing floors.

SOUTH TAMAR CONSOLS.—The engine-shaft is sunk 3 fms. I ft. ander
the boftom of the 100 fm. kerel; the lode in ft is 3 ft. wide, and the ground moderately
casy. In the 109 fm. level the lode in the south end is at present disordered by a side;
during the greater part of the past month if has yielded 5 cwts, of lead per fm., and, in
all probability, it will soon be more productive; in the north end, in this level, the lode
is 3 ft. wide—kindly, but not rich. In file 90 fm. level the lode in the south end is 3 ft.
wide—very easy for driving, and worth 9 cwts, of good rich work per fm; this end has
been extended 11 fms. 4 ft. 6 im, and thrown open 100 fms. of one ground during the
present month, all of which will set at a low tribute. In the 80 fm, level the lode in the
south end is 18 in. wide, and worth 5 cwts, of rich ore per fm. The 60 fm.
level has been cleared 20 fms. during the past month; this level, however, was not driven
on the course of the lode, and we have, therefore, determined not to clear it further, thu
have placed the men te clear the cross-out westward, hoping thereby to find the main
part of the iode. A winze from the 30 to the 45 fm. level has been cleared, and made
secure, with footway, Sec., and both these levels are now well ventilated; we shall,
therefore, rosume driving the 30 and clearing the 45 fathon levels immediately. The
pitches are all looking well, and as we are opening more ground, there is every prospect
of increasing the returns.

SOUTH WALES MINES.—At Bodcall, in looking contents.

SOUTH WALES MINES.—At Bodcall, in looking over a copy of my proposals to you. Sated 28th November, I see I have advised the suspension at present of the shallow adit west on the south lode—consequently, the expenses to be incurred in driving this level is not included in any monithly estimate for this mine; therefore, I thought it nost advisable to suspend it till I near from you. The lode in the presentend is 3 ft. wide, principally composed of thus faite; but in ease you think proper, I will resume the lovel at once. At Bulwin, the deep adit, east of the Rhydnet river, on the month, of fins. I ft., it he lode is 10 ft. wide, and tooking very promising —being composed or principally of friable quarts, flookan, mundic, lead, and copper ore, and is worth, on an average, 4t, per fm. for copper ore; the winzs is to sink under the deep adit by six men, 6 fms. stent, or the month, at 4t. per fathom.—The lode under the edit as yet is not taken down; but, previous to my next report, I will have it taken down. The shallow level, east of the Rhydnet river, by four men, 10 fms. stent, at 8. per fm.

SOUTH WHEAL TRELAWNY.—The engine-shaft is sunk, by 9 men, 11 ms. below the 40 fm. level, ground favourable; the strata is composed of a deep blue killas—water a little quicker. Things are in a regular course of working.

TAMAR SILVER-LEAD.—The engine-shaft is sunk 10 fms. 3 ft. below the 190 fm. level—the lode in which is small and usproductive; in the 190 end the lode is 1 ft. wide, producing work of a promising nature. In the 175 end the lode is 18 in. wide, opening ground that will set at a moderate tribute; in the wines sinking to ventilate this end, the lode is 6 in. wide, rich work. In the 160 end the lode is 1 ft. wide, composed of flookan, with a small quantity of ore. In the 145 end the lode is 3 ft. wide, yielding work of a moderate quality. In the 135 end the lode is 3 ft. wide, yielding work of a moderate quality. In the 135 end the lode is 3 ft. wide, yielding work of the present, and the men put to rice a winze for vanitation; in the 70 end north is suspended for the present, and the men put to rice a winze for vanitation; in the 70 end south the lode is 3 ft. wide, carrying two small branches of ore. We sampled on Saturday, the last instant, computed is tons of rich allver-lead ores—samples of which have been sent to the different purchasers.

lat instant, computed \$1\$ tons of rich aliver-lead ores—samples of which have been sent to the different purchasers.

TINCROFT.—On Highburrow tin lode, in the 152 fathom level, east of the engine-shaft, the lode is 4 ft. wide, worth 17. per fm. In the 142 fm. level, east of Martin's cast shaft, the lode is 3½ ft. wide, worth 14. per fm.; the stopes cast of the shaft are worth 163. per fm. In the 132 fm. level, east of Martin's cast shaft, the lode is 3½ ft. wide, worth 141. per fm. the stopes cast of the shaft are worth 163. per fm. In the 132 fm. level, east of Martin's cast shaft, the lode is 4 ft. wide, worth 163. per fm. for copper; in the 100 fm. level cast the lode is 2½ ft. wide, worth 124. per fathom. At North Tincroft, in the engine-shaft, taking below the 100 fm. level, the lode is 4 ft. wide, worth 124. per fm. for copper; in the 100 fm. level cast the lode is 2½ ft. wide, worth 154, per fm. for copper; in the 100 fm. level west the lode is 8 ft. wide, worth 154, per fm. for copper; in the 100 fm. level west the lode is 2 ft. wide, worth 154, per fm. for copper. In the 90 fm. level, east of Willoughby's shaft, the lode is 2 ft. wide, worth 154, per fm. for copper. In the 90 fm. level, east of the engine-shaft, the lode is 3 ft. wide, worth 154, per fm. for copper. On Chapple's lode, in the 100 fm. level, the lode is 3 ft. wide, worth 144, per fm. for copper. On Chapple's lode, in the 100 fm. level west the lode is 3 ft. wide, worth 104, per fm. for copper. The same level is worth 144, per fm. for opper. In the 90 fm. level west the lode is 3 ft. wide, worth 105, per fm. for the and copper, is the wines sinking below the 50 fm. level, west of the shaft, the lode is 4 ft. wide, worth 404. per fm. for copper. The shaft, shaking below the 50 fm. level, west of the shaft, the lode is 4 ft. wide, worth 64, per fm. for copper. The 70 fm. level west the lode is 4 ft. wide, with stone of copper ore. In Palmer's shaft, shaking below the 50 fm. level, north 64 per fm. for exper. The 26 fm. level, west of Stains

value; in the winze sinking below this level the lode is worth 201, per fm. for copper. TRELEIGH CONSOLS.—In the 125 fm, level, north of Garden's shaft driving towards the lode; uncertain as to the distance; it is probable we may see it this month. In the 100, west of ditto, lode 20 in. wide, with stones of ore. In the 90 west, lode 3 ft. wide, with good stones of ore in the 80 west, lode 3 ft. wide, with 200, per fm.; ditto, on south part, lode 18 in. wide, with stones of ore and more kindly. In the 70 west, lode 3 ft. wide, with good stones of ore. At Wheal Parent, in the 40 fm. level east, lode 2 ft. wide, with stones of ore and more kindly. In the 70 west, lode 2 ft. wide, with some ore. In the 30 fm. level, lode 2 ft. wide, worth 201, per fm. In the 30 fm. level, and we expect ore soon. In the winze in the 30 fm. level, lode 2 ft. wide, worth 201, per fm. In the 30 fm. level east, lode 3 ft. wide, worth 4t. per fm.; in the 30 fm. level west, lode 3 ft. wide, with some ore. In the adit, east of Nicholson's shaft, on middle lode, lode 18 in. wide, worth 31 per fm. The 80, east of cross-cut, is holed to western cross-cut. The 60, west of Garden's, is suspended, being poor, and no great distance from the boundary. The 20, west of Farent shaft, is suspended, and no great distance from the boundary.

tance from the boundary.

WHEAL MARY WORTH AND WHEAL BROTHERS.—In my last report I stated there was a favourable prospect for a fair quantity of ore for the then ensuing sampling; I have now to state the two parcels of silver ores, for October month, realised 114.1 is 3s. dt. The lode presents a favourable appearance for yielding remuneration for development, and the tributers are breaking work of a moderate quality. On the tin mine, last week there was a pilet taken by two men and a bey on the north tin lode; I expect to be able to report favourably on this portion of the mine also in the course of a short time. On the whole, I have not seen the concern looking so well as at this present time.

WHEAL BENNY.—At Ford's shaft we met with a slight accident. The col leading from the wheel to the main bob broke, which was shortly set to rights, but will take us all this week to draw out the water. The 16 fm. level cross-cut is driven time. 5 ft., and shall have about 9 ft. more to drive to intersect the Benny lode.

WHEAL BRIDFORD .- We expect to cut the lode in three weeks, the ground

WHEAL LAWRENCE.—In driving the adit south we have, within the last few days, cat more water, and the ground looking more likely for draining the water from the slaft, having not with more branches of mundic, spar, barytes, &c. I think we have now about 15 fms. more to drive to get home to the shaft. We have been cutting through the lode by driving east, and find it 20 ft. wide, containing mundic, soft spar, killas, flookan, and some spots of lead. We do not intend to cut through the lode gain before we reach the shaft, which I hope will be completed by the end of December.

reach the shaft, which I hope will be completed by the end of December.

WHEAL MAY.—During the past week our agent has farnished us with a good deal of valuable information, which was laid before the meeting on Wednesday last, and received by the committee with great satisfaction—the following of which is a condensed form:—At our western adit we have driven home and cut the first part of the tich sliver lode, which we found to be excellent work, both for sliver and copper. We have sunk our shaft on the lode about 5 ft.; the lode will average li5 in. wide—it is very solid; we shall hole to the sdit in the course of the present week; we are also driving east and west on the course of the lode, and raising a quantity of fine work, a good parcel of which we hope to sample by the first week in the new year; the lode appears to be improving as we drive east, and there is no reason to doubt that we shall have an extraordinary rich nine. At our eastern adit, which is parallel to the above, about 100 fms. distant, the water in the end is coming out very strong, showing we cannot be far from the lode, which, when we cut, will give us about 10 fms. backs. We are preparing for the erection of an over house, bucking, sheds, and floors, which we hope to complete in the course of 10 days. Weekly reports of our progress will be sent to the office for the Information of shareholders.

WHEAL TRELA WNY.—In the 82 end, north of Phillipties's shafe, the lode

Weekly reports of our progress will be sent to the office for the information of shareholders.

WHEAL TRELAWNY.—In the 82 end, north of Phillips's shaft, the lode is 3 ft. wide, worth 61, per fathom. In the 82, south of ditto, the lode is 3 ft. wide, worth 81, per fm. In the 73, north of ditto, the lode is 24 feet wide, worth 91, per fathom. In the 72, south of ditto, the lode is 24 feet wide, worth 91, per fathom. In the 62, north of ditto, the lode is 4 feet wide, worth 91, per fathom. At Trelawny's shaft, the cross-cut is driven 2.fms. 4 ft. towards the lode in the 82 fm. level. In the 72 end, north of ditto, the lode is 24 feet wide, worth 92, per fathom. In the 72, south of 42tto, the lode is 24 ft. wide, worth 162, per fathom. In the 72, south of 42tto, the lode is 24 ft. wide, worth 92, per fathom; the end is suspended for the present, the men being engaged rising, as referred to last week. In the 52 end, north of ditto, the lode is 34 feet wide, worth 102, per fm. At the north mine, in the 53 end, north of Trebane, there is no alteration since last report. The 40 end men, north of 5 mith's shaft, have holed the ries, and have now resumed driving the level. We see no change in the stopes worthy of remark. The parcel of ore sold this day has made 184, las. per ton.

WEST WHEAL JEWEL.—In the 85 fm. level, west of Williams's cross-

mark. The parcel of ore sold this day has made 18t. 13s. per ton.

WEST WHEAL JEWEL.—In the 85 fm. level, west of Williams's cross-course, on Wheal Jewel lode, lode worth 5t, per fm.—drove last month, 1 fm. In the 70 fm. level, west of Williams's cross-course, on the same lode, lode worth 20t. per fm.—drove last month, 1 fm. 3 ft. 6 in. In the 47 fm. level, east of Williams's cross-course, on the same lode, lode worth 20t. per fm.—drove last month, 2 fms. In the deep adit, west of Williams's cross-course, on the same lode, lode unproductive—drove last month, 1 fm. 1 fm. 1 fm. 1 fm. 5 fm. The 65 frozs-cut, north from Buckingham's lode, ground much harder for driving—drove last month, 3 fms. 2 ff. In the shallow adit cross-cut, south from Tregoning's shaft, drove last month, 3 fm. 5 ff. In the deep adit, west of Tregoning's shaft, on Tolearne tin lode, lode producing stones of tin—drove last month, 1 fm. 2 ft. 5 in. In the 12 fm. level, west of ditto, on the same lode, lode up of the same lode, lode worth 12t, per fm. The stopes in the back of the 12 fm. level, east of Tregoning's shaft, on the same lode, lode worth 12t. per fm. The stopes in the bottom of the 12 fm. level, east of Tregoning's winze, in the back of the 12 fm. level, east of Tregoning's shaft, on the same lode, lode worth 12t. per fm. The stopes in the bottom of the 12 fm. level, east of Tregoning's winze, in the bottom of the 12 fm. level, on the same lode, lode worth 20t. per fm. The stopes were solved to the same lode, lode worth 20t. per fm. The stopes are working on tribute.

FOREIGN MINES.

COPIAPO MINES.-The manager having been absent at Santiago, was not able to farmish a report from the mines, but only states that the aliver mines of Al Fin Hallada and San Jose del Carmen continued rich. The copper mines of Checo and San Fedro also continued rich. The produce of Checo for August was 40 tons; ditto San Podro. Is tons = 58 tons.

IMPERIAL BRAZILIAN MINES .- Bananal, Sept. 13 .- Since my last respects I am serry to inform you that the different places on which we are operating here have been very poor indeed. It will be seen by the gold reports that we have had nothing whatever for the washing house, the produce being solely obtained from the stamps. The mine report is unfavorable; but, not being able to prosecute the bottom of the mine on account of the water, we cannot expect much improvement.

the mine on account of the water, we cannot expect much improvement.

Gongo Soro.—Here we are getting on with the open cutting as fast as possible, but the
starf supplied to the stamps is very poor, as will be seen by the 10 days' produce. We
are, however, making experiments in the western part of the mine; for this purpose I
have ordered the great western stamps to be put in order, that proper fraits may be ejfected. I have sent twe English miners from here to assist in this work. I hope their
researches will be successful.

P.S.—Since withing the above, a tolerable good sample has been taken from Magalhaes
winze, and the vein looks more promising.

winze, and the vein looks more promising.

Bananal, Sept. 23.—The sample of gold alfuded to in the postscript of my last letter did not lead to any great results; in fact, we have bad nothing for the washing house during the not lead to any great results, it need we make the different places in the mine, as will be seen by the capitain's réport; These, however, are similary, and, consequently, secondary objects, the primary senier the vein in the bottom of Thomas's shaft, which is now under water. I deeply regret the smallness of the returns of gold. We are making some alteration in the pump work in this shaft, in order to keep the drainage as low as the 14 fm. level without the aid of Gibson's wheel, which will then be removed, and the iron one fixed in its place; proparations for this have been commenced, the axis has been brought on the spot to receive the necessary iron-work: this change of wheels will give us great extra power; all possible dispatch will, therefore, be used in this work, when much more effective pump work will be placed in Gibson's—the shaft will be cut down, timbered, and completed, in the course of a fortnight to receive it. I am happy to say that I am strongly impressed with the idea that the water power now flowing into the mine, by being properly employed, will be ample to carry out the contemplated experiment—viz.: the prosecution of the mine in depth.

Gauss Boco.—Here we are getting on as fast as possible with the open cutting, and I

mont—viz.: the prosecution of the mine in depth.

Gongo Soco.—Here we are getting on as fast as possible with the open cutting, and I am glad to say, that although not any part of our operations have been on the great bed of Jacotinga, the produce of gold from the stamps has been tolerably good, and shows what we may expect when we have erected large stamping power, and can supply it with work from the old mine formation—this shall be pushed on as fast as possible. The great western atamps have been, put in order, but the bad state of the water courses render great repairs necessary before the rainy season sets in, and the greater part of our male force have been employed on this work; consequently we have not yet been able to collect stuff sufficient to set the stamps going. I intend being at Gongo to-morrow, and have arrangements, first to fix the tilt hammer, this being very essential to our subsequent erection of stamps. We have a great deal of scrap iron which cas, by the assistance of this machine, be converted into milliers and other heavy pieces of from-work.

F.S.—The little alterations in the pitwork horein already mentioned, have been com-

pletod, and the result satisfactory. Gibson's wheel is now idle, and the water kept drained in the 14 fm. level by Walker's and Thomas's only.

Banasal, Oct. 3.—No material alteration has taken place in any of our underground operations, as will be sean by the captain's report. We deemed it advisable to suspend the driving of the 6 fm. level west of Thomas's, it being hard, and presenting nothing encouraging—the man are now stoping the bark. We captain by the produce from the samples accounted the stoping of the samples, but nothing for the washing house has been obtained during the last 10 days; and the produce from the stamps cannot be expected to be much, as from its position it has very little water to work it during the dry season of the year. The alteration in the pitwork, mentioned in my last respects, has fully answered my expectations, in consequence of which we think we shall be able to simt Gibson's shafe immediately with our present power. I have, therefore, altered the intended site of the iron wheel, in order to employ Gibson's wheel to work the pumps necessary for the stakin; during the erection of the iron one, which will still be on the same (Gibson's) fall, but much nearer the shaft, and consequently a more eligible position. We have already commenced clearing out the wheel-pit for its reception; it has been let by contract for 100 reals to a person named Oliver. Gibson's shaft is nearly completed to the 14 fm. vel; I hope, therefore, in my next respects to be able to report the commencement of it slinking below that level; which, if we can sentinue to do with our present power, will soon enable us to work on the velon in the bottom of Thomas's, there being only 4 fms. to sink perpendicularly to reach it; at all syents, I have great hepses of being able to extry on this work until the rorn wheel can be thought into action.

Googo Seco.—The principal operations here, and to which our greatest attention is directed, is the open cutting, but this has not progressed as fast as I could wish, owing

sad come together, and formed the large workings about the Calavera winze. Our examination of the second level shows, however, that the workings are still distinct on two separate and large lodes, about 5 or 6 ms. apart.

Since my last report the mine has been drained to the 30 fm. lavel, and we have been able to examine this level on the course of the lodes from 80 to 100 fms. In some places the men of old carried up their workings in the roof to join those from the level above. In other parts large pillars, or arches, are left unwrought; in those pillars the lode is from 3 to 6 ft. wide, composed of prism, soft spar, gossar, and splendld bunslens of cubical galena. Presuming that the men of old pursued the richer parts of the lodes, and lookings at those portions now standing, I hesiate not in saying that such veins are rarely to be met with; in fact, I may safely say, that in my experience of mining for 30 years, I have never before seen such splendld lodes for so great a length; and as soon as we have our shafts, whims, and levels in order (and to expedite which every effort is being made), we shall be in a position to make returns of a cheering nature. But here I would beg to observe that, the mine having been worked by former companies in such an awkward manner, we are not a little puzzled to decide on the most advantageous plan of developing it to the present and permanent benefit of the association; for instance, there is but one shaft carried below the 17 fm. level; though there are several to that depth, all of which are in good condition, but they are sunk in granite to the south of both lodes, which tather a stight dip, or underlay, to the north, leaving these shafts farther from the veins at every level; besides, in hard ground they will be obth costly and tardy in sinking—consequently we are of opinion they will be of little if any use in depth. It has had, and still has, our carried attention, where we shall bring down our shafts for the cheap and easy dispatch of sunf, and fature operations on t

[From the Piymouth Journal.]

Every attentive observer of the times will see that great attention is being paid at this time by capitalists to mining as an investment, resulting in part from the large amount of unemployed capital at present in the country, but more especially from the fact that during the times of depression with which the trade of the country generally has been visited, the miner has pursued his noiseless subterranean occupations, and whilst the absence of a speculative spirit has "knocked" all the bad and doubtful mines, the known tenacity of miners has caused them, in many instances, "not knowing when they were beaten," to pursue their operations with a success which can be only appreciated by a perusal of the article on mining, which may be found on Mondays in almost every leading journal in article on mining, which may be found on Mondays in almost every leading journal in London. For many weeks past, the Mining Journal has contained in its City Article a goodly list of dividends declared by the miners in the west; and there is every reason, to believe that their number will, with the advancing price of copper, the, and lead, increase. In this immediate locality the impetuate omining was given by Wheal Maris (Devon Great Consols), and owing to the recent date of the discovering of its vast resources, the mines are not developed, but a very casual glance at this district will serve to show that there are many adventures in it which will, within a very limited time show, that "fair Devon's" riches are not surface alone, but that she is rich in shining one.

TAVENTOCK CONSOLS.—There is in the shaft at present a horse of killas, on the south wall there is a branch of numble; the main part is on the north, and is composed of mundic, peach, and spar, and produces about the same quantity of the as at my last report. The water increases in the shaft.

WHEAL FRANCO.—The lode in the \$2 fm. level east is large, but not rich; the lode in

Wheat Franco.—The lode in the 62 fm. level east is large, but not rich; the lode in he same level west is producing stones of ore; the lode in the winze, ahead of the same swel east, is producing very good stones of ore.

PLINOUTH WHEAL YECLAND.—The lode in the engine-shaft is about 5 ft. wide, carryag on the north part a branch of tolorably good work. The deep adit west is producing
that work for tin; the deep adit east is also producing a little tin, but is not rich. The
stopes cast and west of the shaft are producing fair work, and looking well.

East Crownbalk.—The improvement on the Ria-hill lode continues, and we may
say that the mine has, on the whole, improved since our last report.

ASTURIAN MINING COMPANY

ASTURIAN MINING COMPANY.

Sir,—The report in your Number of the 1st inst. omits a passage of the liquidators' statement, which appears to me as important as any other portion of it, as well for the consideration of those who think they may with impunity evade their responsibility as shareholders, as to prove to those who will pay their call that the liquidators are determined to do everything that may be fairly expected to secure to the contributors the benefit of the present extraordinary effort to rescue their property. I, therefore, subjoin the paragraph's I refer to, in the hope that its insertion may not be deemed an intrusion on your valuable space. There is one point which was not distinctly understood at the meeting—the resolution that no further call should be made; for I find it bruited about that many shareholders regard the answer of the directors as equivocal. For my part, I take this opportunity to state that my promise in that respect was unreserved; and, moreover, I pledge myself thus publicly to the literal fulfilment of it, provided this call is fairly met, and also that I shall not endeavour to escape from the responsibility of this, my undertaking, by any premature abandonment of my office.

The unsubstantial result of past promises should not cast on the present administration the consequences of former mismanagement. For the errors or delusions of the original board the liquidators are in no respect answerable. It will be their duty to change the whole system, by which the mistrust of the proprietors has been, up to the time of the new appointment, so well justified. No cajoling or bullying, on the one side or the other, should induce them to swerve from that duty. But the liquidators ask no special confidence. If any shareholder doubt the value of his property, and think that the past is the criterion of the future, he shall have the fullest explanation to convince him of the contrary. I undertake to prove to the satisfaction of every reasonable mind—1. That the property is of ample value

parties who are responsible to the last shilling of their means. R. Mootie.

Austinfriurs, Dec. 5.

* "To avoid any misunderstanding, it is necessary to define clearly the alternative which exists for the dissentients. There is not the least possible doubt that the Winding-Up Act applies to the present case. Now, if the call be not fully met, it is an inevitable consequence that, to protect the well-disposed in this country, we must place the affairs of the company in the Court of Chancery, under that enactment. The decisions of the Masters place beyond a doubt the exemption of parties who have made advances, and will throw on recusants the full burden of their obligation, with this difference, that there is no limit whatever to the amount which the Master, in his discertion, may think proper to call up. Where we now call for only 2l., in the Court of Chancery it may be 10l. 79l., which the shareholders may be required to pay. If there be any hesitation to grant credence to this assertion, let any of the parties concerned in such cases be consulted, and every doubt must vanish. But some assert, and think, that by their absence during the present crisis, and by removing their ostensible connexion with the shares, they place themselves beyond the reash of hability. This is a most complete delianou, because there exist ample primā faccie evidences in the records of the company to fix the ownership on the unregistered proprietors, which it will be morally impossible to disprove. It is also necessary to state that the present call will be subject to the strict condition imposed by the 4th Article endorsed on the shares, instead of following the irragular practice previously adopted of declaring a forfeiture. By that Article, it will be seen, the non-payment of the call at the period it fulls due is 120 facco a forfeiture; and it may be as well for all parties who resist to comprehend that it will be absolutely in the discretion of the shareholders, who, by fullment of the condition on which the shares are hold, reta

ASTURIAN MINING COMPANY.

fault. We, therefore, carnesty recommend stoymend as to osters, as usual passe some season and the state of the company, and the endorsement on the shares, to effectuate the exclusion of these who coult to pay the call."

ASTURIAN MINING COMPANY.

Siz.—It is no small source of gratification to me, that after having been obliged so often to address you, and point out the almost irreclaimable "alongh of despoad," in which this fine property was nearly irretrievably plunged by the gross mismanagament of those who were entrusted with its direction, to the dark apace of its horizon a bright spot appearing, which, if duly fostered, may by care become a brilliant light. Avoiding all metaphorical tropes, and descending to common parlance, I allude to the result of the meeting hold on the 27th Nov., and published in your last week's Journal. Wisely following the example set by the committee of investigation, it will not pressure to state the sauses which have led the present company to the brink of ruin, or by vitate the sauses which have led the present company to the brink of ruin, or by vitate the sauses which have led the present company to the brink of ruin, or by vitate the sauses which have led the present company to the brink of ruin, or by vitate the sauses which have led the present company to the brink of ruin, or by vitate the sauses which have led the present company to the brink of ruin, or by vitate the company and the same present company to the brink of ruin, or by vitate the company and the same present company to the present company to the present company to the present present company to the present present present company to present present present company and the present present present and the designation of the present present present company to receive the present present presents as the and under a new tank the present present present and the present present present present and the present pr

even in their own province. They must, however, endeavour to make a market there; that once done, they may command it, and dely competition wit any country in the world. With good management this may be done in a few years, and they will then have sufficient capital and time, if they please, to explore successfully the other mineral deposits which lay at present unheeded and uncared for in the Asturias.

AN IDLER IN THE ASTURIAS.

Paddington, Dec. 4.

MINING IN SOUTH AUSTRALIA-BAROSSA RANGE COMPANY.

MINING IN SOUTH AUSTRALIA—BAROSSA RANGE COMPANY.

SIR,—I observe, from the Adelaide Gazette of 26th May, that reference is made to your Journal of 27th January last, as containing reports, stating that "Capt. Rodda had said he had raised 20 tons of ore at Lyndoch Yalley Mine, containing \$\frac{3}{2}\text{ ozs.}\$ of gold per ton." Now, Sir, I wish you to insert the following, which is my report to the directors of the Barosea Range Mining Company on that subject, written 27th of May, 1848:—"Can the Government claim gold if found in purchased land? As I have found it, it may be of use in case the Government did not claim it; please to let me know this. It is in Lyndoch Valley copper ore; the quantity is not large—1 oz. 12 dwts. per ton of ore. It has hitherto escaped the notice of the workmen, but may be seen by close examination; and I do not like to amounce it, fearing we shall have too many customers to take away copper, as well as the gold—some of which I enclose." This is all I have said to any one on the gold found in this mine. I did not connect it with 20 tons of ores, for the ores were not then dressed; and, therefore, the assay referred to could not be a sample of the 20 tons named; but I found the gold in some of the first ore broken, which was afterwards dressed, and contained in the 20 tons before mentioned. I consider it my indispensible duty to enter into this explanation on the subject, as I am represented as having said there were 20 tons of copper ore containing \$\frac{3}{2}\text{ ozs.} of gold; while the fact is simply that which I have stated in my report above. Angaston, South Australia, June 14.

CAMURDONIS (CAMURDONIS SURAM AUSTRALAND)

CAMERON'S COALBROOK STEAM-COAL AND SWANSEA AND
LOUGHOR RAILWAY COMPANY.

A special general meeting of the shareholders was held, pursuant to circular
and advertisement, at the offices of the company, Moorgate-street, on Thursday

DAMERON'S COALBROOK STEAM-COAL AND SWANSEA AND LOUGHOR RAILWAY COMPANY.

A special general meeting of the shareholders was held, pursuant to circular and advertisement, at the offices of the company. Moorgate-attent, on Thardaythe (the inst.

The advertisement convening the meeting, specifying it so dijects, having been read by the Severary, the Charleston observed, that the meeting had been convened for three purposes—the first, that of considering the course to be adopted for raising funds, either by making a turther call of 4l. per share—the reissue of the shares held by the company, or doping such other stops as well as the control of the stops as the share shad by the company, or doping such other stops as well as the control of the stops as well as the control of the stops as well as the control of the stops as well as the shad of determined by the company of a stop of the directors, who had made certain advances to relieve the company from pressing engagements. He would suggest that the last subject should be first disposed of, as the shad observed, that the private meetings had been called by Mr. Smallbone, the attendance at which, he regretted to say, was limited in number, although considerable interests were represented. The affairs of the company had, upon such occasions, been stretcly investigated, and it was usaninity and energy to carry out the company with advantage, and to arrive at those results which had been held out. He was well pleased to be enabled to state that the landfort and wendor (Ocl. Cameron and his soy) had evined to state that the landfort and wendor (Ocl. Cameron and his soy) had evined to state that the landfort and wendor (Ocl. Cameron and his soy) had evined full be should have excession more specially to direct the attention of the meeting of faith towards the shareholders; the original agreement or terms on which he should have excessed to the contemplated benefit, or otherwise.

Mr. J. Dayrond protested against any call which make the shareholders as a breach of faith tow

counsel, and had paid upwards of 50f, for legal opinions.

Mr. WEBB said, he was not a shareholder, but appeared there for a number of clients who were shareholders. He understood the proposed measure to be simply the substitution of contract debts for judgment debts, which the directors advances had satisfied; and they were asking the company to acknowledge the sums which had been advanced. It was certainly the duty of the

company so to do.

The resolution having been carried, the CHARMAN, in putting forward the mext motion, observed, that the shareholders had met for the purpose of augmenting the capital, by making a further call of 4t, per share, or adopting such other course for raising funds, as the meeting should deem fit. It was unnecessary for him to say that good and substantial reasons could be afforded why a further call should be made, there being good grounds for anticipating (while he had no hesitation in expressing his conviction) that the whole of their capital would be got back, and a handsome return made on their investment. The position of the company, he considered, far better at that moment than some three or four months back. It was highly desirable—indeed, he might say, indispensable—that a branch railway should be made to Llanelly. Parties were ready to undertake the construction of the line, and complete it within three months. A dequastization the construction of the line, and complete it within three months. A dequastization the construction of the line, and complete it within three months. A dequastization the construction of the line, and complete it within three months. A dequastization that he was a decreased to the construction of the line, and complete it within three months. A dequastization that had an interview with Clonel Cameron, who willingly assented to company so to do. The resolution h

the views entertained by the directors, and had agreed to make the required concessions; and, furthermore, Colonel Cameron expressed his resultness to fall him any arrangement which might beet dis overver, signed a paper conceding the several points required.

(Col. Cestion having arisen asto the terms or extent of concession thus obtained, Mr. Edwards and the construction having arisen asto the terms or extent of concession thus obtained, Mr. Edwards and the company consistent of 20,000 abares, of these 11,970 were held by W. Cameron, Eq. (the vendor), A186 by the body of shaveholders, and 3655 were locked up, having boen transferred by certain shareholders to the company in liquidation of claims on them, and were placed in the hands of trustees. The proposition was simply this, that instead of Mr. Cameron claiming an interest or right by virtue of his holding 12-30ths, or a majority, that the following arrangement should be outnead that the simple state of the company in liquidation of claims on them, and were placed in the hands of trustees. The proposition into, it being self-evident that some such course should be contracted into, it being self-evident that some such course should be contracted into, it being self-evident that some such course should be an individually liable for the being capital was required to be scheduly liable for the both the first of the company and the some arrangement and inned were necessary for the construction of the railway, and, further to be scheduly as the properties of the contract of the properties of the contract of

eperations, so that upon the present quantity of case speaked speaked and the contemplated capital required. He was led to believe that there was, with the proposed "winning," a supply for at least 50 years, and that the expenditure would not exceed 14,000°C, although Mr. Daglelah, in his estimate, had put the figures somewhat higher shed to direct the attention of the meeting to the projected ruleway. Which, by the plan laid on the table, is 22 miles in length, a power having been obtained from the swerral parties to past through the lands and across the bridge.

Mr. SMALLBOOK observed that, since he had been appointed a director he had availed himself of the opportunity afforded of acquiring that information which he had not been able to the project of the project of the project of the project of the content of the meeting had been appointed a director he had availed himself of the opportunity afforded of acquiring that information which he had not been able to the project of the

CERRO DEL BOTE MINING COMPANY.

A special general meeting of shareholders in the Bolanos Mining Company, and others to whom notices had been sent, was held at the London Tavern, Bishopsgate-street, on Wednesday last, the 5th inst., for the purpose of considering the prospectus issued by the promoters of a new company for working the Cerro del Bote Mine in Mexico (Mesars, John Taylor, jun., and R. A. Kerrison), and for completing the necessary arrangements under such circumstance.—Mr. John Taylor, jun., was unanimously called to the chair.

O. opening the business of the meeting, the CHAIRMAN said, he would not take up their valuable time in making apologies, but he could have wished the duties as chairman had devolved on some gentleman more independent in the proposed company; as he felt, being one of the promoters, he could have probably expatiated more freely on the advantages of the property, if unshackled by the duties of chairman; he would, however, state fairly his views on the subject. He then read the circular convening the meeting, which had been forwarded to all the shareholders in the Bolanos Company, and several other capitalists who were likely to take an interest in the new company, and a preliminary prospectus, a copy of which had been forwarded with each notice. It proposed that the capital should be 50,000%, in 5000 shares of 10% each, payable by instalments, as follows:—3%, per share on allotment, 3% on April 19th, 2% on 18th July, and 2% on 18th October, 1850; the management of the

company to be in the hands of five directors, to be elected at a general meetin of shareholders, to be convened immediately after the allotment of the shares the directors to give their services grantitually, until the proprietors, at general meeting, vote them a remuneration. It then proceeded to state—

general meeting, vote them a remuneration. It then proceeded to state—

"The object of the proposed company is to work the mines of the Cerro del Bote, in the State of Zacatecas, in the Republic of Mexico, already so well known as having been lately in possession of the Bolanos Mining Company, the directors of which, now since to return it to the owners. These, having regaland possession, now agree to enter into a fresh contract for the same, on terms more favourable than those under which the Bolanos Company held them, and which, considering the very advanced state of the works, and the little requiring to be done to bring them into a presperous state, must be deemed most advantageous.

"The owners, in consideration of 20,000! paid to them in London, will transfer to the present company the mines and hacienda of Cinco Senores, with the whole of the preperty thereon as delivered to them by the Bolanos Company. The stock and property consist of two steam-engines (one exceted and in full work on he mine), stores of quick-allver, forage, fucl, timber, iron, steal, tools, cattle, implements, and ores on hand, the whole of which are indispensable, and could not be placed thereon for three times the sum above named; besides the hacienda of reduction in full working condition, and capable of reducing nearly 2000 cargas of ore weekly. The first profits to be devoted to reimburse the company the whole of their outlay, after which one-fifth of the net divisible profits to be set aside to liquidate an acknowledged claim which the Bolanos Company have on the mine, snounting to \$86,496 i j r.; the remaining profits to be equally divided between the company and the own-rs; the latter to receive in advance, as alimentos, the sum of 24000, per annum, such advances, however, to be deducted from out of their proportion of subsequent profits. The mines are in perfect working condition, having never been suspended; and, the drainage by steam-power being complete, no delay need occur in prosecuting the proposed works of discovery,

one attention of subsequent profils. The mines are in perfect working condition, having never bean suspended; and, the drainage by steam power being complete, no delay need locar in proceeding the proposed works of discovery, for which purpose it is considered that the semental content of the process of t

COOMBE VALLEY SLATE QUARRY COMPANY.

COOMBE VALLEY SLATE QUARRY COMPANY.

At a special general meeting, held at the Green Dragon, Bishopsgate-street, on the 20th of Nov. last, it was resolved,—That the resolution for creating 500 new shares on the 27th August last be rescinded, that as only 816 of the 900 shares vested in the trustees had been allotted—leaving 84 in hand—the same be divided among the shareholders, in the proportion of I share for every 10 shares held, at a meeting to be held at Coggeshall, on the last January, 1850; but any shareholder being in arrear on that day shall forfeit his right to such share. Any shares remaining after this allotment to be offered for sale among the shareholders. A call of 10s, per share was made; and as the last call made 51, per share paid, the holders of the 100 shares allotted to the original proprietors of the Combe Valley lease are now called upon to pay the present call. At a previous meeting of the committee a report was read from the solicitor and secretary, which stated that it was not desirable to retain the Coombe Valley estate, but the Crackington Quarry, with its works, and the Allshard Quarry, with its waluable working rock, presents a certainty of liberal remuneration to the shareholders. A fine bed of slate was opened, of first-rate quality, estimated in value at not less than 19,0002, which can be worked upon immediately, and sufficient for the employment of 200 men for four years. The facilities of working and sending the ore to market, which may be done on tribute, would secure a profit of two-thirds of the selling price. About 1501, worth of slate was already manufactured. A very slight addition of machinery would be required, not above 504, which, with about 4001 for labour, in about five months, it was estimated, would produce 15001 worth of slate; they, therefore recommended not creating the proposed 500 shares, but the existing shareholders to raise the required additional capital among themselves.

HERODSFOOT MINING COMPANY.

At a meeting of adventurers, held at the Jamaica Coffee-house, on the 28d

of November—H. J. Blanksley, Eaq., in the chair—the accounts were examined and passed, showing—Balance last account, 35524. 17s. 2d.; labour cost, July, 9364. 4s. 3d.; August, 968. 9s. 3d.; September, 7451. 1s. 7d.; dues, 1911. 5s. 1d.—54911. 17s. 10d.—By calls, 12801.; oras sold, August, 11831.; September, 10731. 5s.; October, 10731, 12s.; leaving balance against the mine of 17927. 0s. 10d.—Arrears of calls to this date amounted to 5341.

As it appeared from the statement of Mr. Wolferstan, the manager, that the mine has made a net profit of 4801. during the past three months, and that he sees his way clear to make from 1301. to 2001. per month profit for the future, it is thought expedient to clear the mine from debt, and so enable the profit to be regularly divided. It is, therefore, proposal to create 256 new shares, and to offer them, pro rata, to the present shareholders at 51, per share, instead of making a call of 51, per share, which will be required to clear the debts up to the end of November.

WHEAL BASSET.—The account meeting was held at the mine on Tuesday last, when the following statement was produced:—By sales of copper and tin cres (less 1-15th dues), 42894. 18s. 1d.—Labour cost for September and October, 20111; merchants' bills, 5571. 8s. 8d.—25681. 8s. 8d.—showing a profit of 16714. 9s. 5d.; add balance in favour last account, 5194. 0s. 11d.—21904. 10s. 4d.; by dividend of 15t. per share, 1920t.—leaves balance 270t. 10s. 4d.

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TRETHEVY COPPER MINING COMPANY.

At a general meeting of shareholders, held at the offices of the company High-street, Exeter, on Saturday, the lat of December.

WILLIAM Traxe, Esq., in the chair,

The CHAIRMAN opened the proceedings of the meeting by adverting to the prospectus of the present company, and entering into a more detailed statement of the prospects and probabilities of future results, fully anticipated from more efficient operations in the mine. He referred with confidence to the reports furnished by several practical agents who had been consulted; and the prevailing views with agents and miners, amounting to an unanimous opinion, from the general appearance of the lodes, the proximity of the set to South Caradon, with similar stratification and advantages, that there was no reason to fear a successful result, and the present proposed amount of capital, with economical employment, would prove sufficient to develope the lodes already opened on.

The cost-book was opened, and rules and regulations for the government of the company were adopted. A committee of management, consisting of ten, gentlemen, were named, and Messra. Traer, T. Snell, and Charles Richards, were appointed trustees for the adventurers, for carrying out the conditions under which the mine is established. A list of the former adventurers in the Caradon Copper Mine, whe had accepted of the offer of slares in the present company, and the new shareholders, were read over and registered. The committee were requested to meet on an early day for the purpose of closing the list of applications for shares.

The following report, from Capitain Seymour, was read:

Nov. 29.—Ay first visit to this mine was in Jane, 1845, when my attention was first drawn to see a lode in or about the middle of the set; an adit has been driven on this lode about 90 fass; throughout the lode appears regular and compact, full 3 ft. wide, composed of spar, gossan, prias, peach, &c.; nothing further has been driven on this lode about 90 fass; throughout the lode a

WELLINGTON MINING COMPANY.

At a meeting of adventurers, held at the offices, George-yard, Lombard-street, on the 3d inst., the accounts were examined and passed, showing—Balance last account, 64l. 15a. 3d.; copper ores sold, 1300l. 9s.; tinstuff ditto, 144l. 15a. 7d. (less lords' dues, 80l. 5s. 10d.) =1364l. 18s. 9d.—By labour cost for May, 210l. 7s. 2d.; June, 251l. 14s. 1d.; July, 255l. 2s. 10d.; August, 265l. 1s. 5d.; merchants' bills, 277l. 12s. 5d.: leaving balance, 163l. 16s. 1d.—The following report, from Capt. Matthew White, was read to the meeting:—

Jec. 1.—The engine-shaft is sunk to the 32 for level and or. Throaden states we come

The following report, from Capt. Matthew White, was read to the meeting:—

Dec. 1.—The engine-shaft is sunk to the 42 fm. level, and on Thuraday last we commenced driving north in this level for the purpose of intersecting the lode; the distance I expect is about 15 ft., which I hope will be accomplished within a fortnight from this time. From the appearance of the 32 fm. level, we have every reason to expect something very good in the 42. The course of copper ore in the 32 fm. level has been driven 14 fms. long—a much longer bunch than in any former level, and the quality quite as good; this level is driven 4 fms. cast of Parcolly's shaft, the lode in the end at this time is 18 in, wide, 1 ft. of which is good for copper ore. Parcolly's shaft, I expect, will be communicated to the 33 fm. level this week; the lode in the 34 haft at present is about 1 ft. wide, producing copper ore and in. The lode in the 22 fm. level, east of Parcolly's shaft, is nearly 2 ft. wide, and at present poor; for the last month's driving it has been worth about 301, per fm.; it is the best lode we ever had east of this shaft. The addit level on the south lode is poor; it is driven to the pump—shaft, and shall commence rising against it; when this 19 communicated it will enable us to open the western ground very quick. The western cross-cut in the salt level, driving north, has not yet reached the lode; but we are expecting it every fathom we drive. The ground is very much improving; it has been hard; ladd not that been the case we stoud have reached the lode a month ago. The shaft that was sinking from the surface on the cross-cut, north of the engine-shaft. Our pitches, on the whole, are just as they have been for several months past; but I think we shall shortly have some in the bottom of the mine very much better. Our copper sampling, on Tuesday last, was as follows:—0.1, 42, 38—126 tons (31 evers); quality much the same as at the two last samplings. We hope to sample, on Tuesday next, the 4th instant, 250 barrows of tinstum, which

sample, on Tuesday next, the 4th instant, 250 barrows of tinstuft, which we hope is worth 502.

GREAT WORK.—At a meeting of adventarers, on Tuesday last, the accounts for July, August, and Sept., were produced, showing—Tin sold, 35951. 15s. 5d.; materials, 36l. 13s. 4d.; balance in hand to the end of June, 3802. 11s. 4d.—40134. 0s. 5d.—To costs, lord's dues, &c., 28481. 18s. 3d.—A dividend of 7t. 10s. per share was declared—leaving a balance of 276t. 12s. 2d. in purser's hands. The prospects of the mine are represented as highly satisfactory.

HAWKMOOR.—In the Mining Journal of Saturday last, the agents' report of this mine was headed "Gunnis Lake Mining Company," which mine, we understand, has ceased operations. It must, therefore, be referred to as the report of the Hawkmoor Mine. The shaft had been sunk 5 fms. 1 ft. since the previous meeting, and was 7 fms. 3 ft. under the 20 fm. level. The lode in the shaft was 3 ft. wide, composed of fluor-spar and munder, carrying a leader of ore 18 inches wide, and would yield from five to six tons per fm. It varied considerably in sinking, yielding, at times, as much as eight tons per fm.; it now appears more settled. The lode in the 20 fm. level west was 2 ft. wide, producing stones of ore—a promising lode. In the 20 fm. east it is 3½ ft. wide, carrying one leader, 18 inches wide on the north, and 14 inches on the south wall, worth 25t. per fathom.

South Mouron Consols.—At the meeting on Tuesday the accounts were examined and research and and accounts were

carrying one leader, 18 inches wide on the north, and 14 inches on the south wall, worth 261, per fathom.

South Molkon Consols.—At the meeting on Tuesday the accounts were examined and passed, showing.—Amount received on calls, 4591.—By labour cost for Aug., Sept., Oct., and Nov., 4122. 8s. 7d.—leaving a balance in favour of adventurers of 461. Ils. 5d., which, deducted from balance of July account, 3071.5s. 8d., leaves amount in debt, 2601. Ids. 3d. A call of 21 per share was made. South Wheal Josiah.—At a meeting of adventurers, held at the Queen's Head Inn, Tavistock, on the 28th Nov., the accounts were examined and passed, showing.—Balance of last account, 271. Ids. 2d; calls, 1221.; 2d shares sold, 121. Ids.—1621. 0s. 2d.—By labour cost for July, Aug., and Sept., 591. Ids. Idd; merchants' bills, 25d. 3s.—leaving balance in favour of company, 771. 6s. 4d It was resolved, that the adit level be continued driving west until next meeting, and that the operations be strictly confined thereto, and no other, without the consent of a meeting; and that the purser enforce the payment of all back calls, or forfeit the shares. A call of 10s per share was made. A resolution was also passed, that Capt. John Hambly's report having been read and adopted be left with the purser.—Mr. Hitchens, we think, might have forwarded us a copy for publication, for the benefit of distant shareholders, though, probably, it was not sufficiently "keenly" to meet the public eye.

MINING NOTABILIA.

MINING NOTABILIA.

[EXTRACTS FROM OUR CORRESPONDENCE.]

COMBLAWN.—The prospects held out in this mine appear to be very encouraging. It is the intention of the subenturers to purchase a steam-engine of sufficient power to fork the water, so as to work the mine with that energy which its present appearancess seem to warrant.

EAST CROWNDALE.—Since the appointment of the new management, a decided improvement bastaken place in the tin mine belonging to this sett. The lode in the bottom of the shaft is said to be worth 12/4, while it can be brought to grass for about 4/2, per fin. The prospects of the copper lode are not so ensured in the local care and though it has a kindly annearance.

to grass for about 4t. per int. The prospects of the copper lode are not so encouraging, it being very poor, although it has a kindly appearance.

HEIONSTON DOWNS.—I am informed that they have an improvement, and many shares have changed hands. (This is confirmed by other letters, as well as the official report.) many shares have cha as the official report.)

SOUTH TAMAR.—This mine was never more promising than at present, and the future samplings will speak the truth of this assertion.

the future samplings will speak the truth of this assertion.

TRETHEYY MINE.—I have been at Tretheyy, and beg to tell you that they have not yet commenced pumping out the water; it will take them about a week doing, or at least I am informed se. There is no capatan on the mine. I expect they will have great difficulty in getting up their pumps, &c., as they have nothing but whim and rope as substitute for capstan. I hear a very good account indeed of the mine from every one here—there is not a single person who speaks ill of it. They all say she will make a first-rate mine, and I hear this from judges of mines. I am now convinced that there is a change of ground in the bottom of the shaft, as I see by the different sorts of clay size. I also picked up some splendid stones of bright vallow copper, apparently very rich in quality. I believe the adventurers will have a prize here.

WHEAL MARY EMMA.—They have a good lode of time-shares are in demand.

WHEAL MARY EMMA.—They have a good lode of tin-shares are in dem

Current Brices of Stocks, Shares, & Metals.

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MINES.—More than an average amount of business has been transacted this week; the market continues firm, with a tendency to advance, sellers speking for higher prices, which buyers are unwilling to conform to; consequently, there are several negociations on the tapis, which are likely to come off next week. Our advices from several local correspondents confirm former statements, as to the prosperous position of the mines generally.

South Basset, Condurrow, Trehaue, Trelawny, and West Wheal Jawel, have continued in request.

Our advices from several local correspondents confirm former statements, as to the prosperous position of the mines generally.

South Basset, Condurrow, Trehane, Trelawny, and West Wheal Jewel, have continued in request.

Mary Ann, South Tamar, and Bedford United shares have been sought for, and several transactions effected at advanced prices.

In Tincroft several transactions have taken place. Chappell's lode, reported last week to have improved, is further increased in value, and becomes of vast importance, inasmuch as it is entirely in new ground.

At Wheal Basset account, for September and October a profit of 14711. 9a. 5d. was made; a dividend of 19201, being 151, per share, was declared, and a balance of 2701. 10s. 4d. carried to next account. The mine is stated to be in a very productive and prosperous position.

The following mines, under the management of Messrs. Taylor and Son, have declared dividends within the past few days, and all of them are represented to be looking remarkably well:—Lisburne Mines declared 101, per share; Goginan, 5001., or 51, per share; and the United Mines, 10001, being 51 per share.

At Great Work quarterly account, ending September, a profit of 7501, was made, which, added to our balance left from previous account, allowed a dividend of 71. 10s. per share, carrying to credit of next account 2761. 12s. 2d.

At the Wellington Mine meeting, the accounts for the four months, ending August, showed a balance in hand of 1631. 16s. 1d. The agent's report furnishes much to hope for.

At Herodsfoot meeting the liabilities amounted to 17921. 0s. 10d., which appears principally to have accrued by omissions on the part of the former management, in not bringing all the costs forward. The proposition made at the meeting is such that all shareholders will, no doubt, immediately resport for one of paying continuous dividends.

At Bwlch Consols meeting, held on the 6th, a new committee was appointed, and the whole of the new issue of shares were stated to have been taken up. The reports of

The following shares have changed hands since our last:—Devon Great Consols, United Mines, East Wheal Rose, Treviskey and Barrier, West Wheal Providence, South Basset, Devon and Courtenay, Bedford United, West Basset, East Tamar, South Tolgus, Tincroft, South Tamar, Daren, West Wheal Jewel, Stray Park, Condurrow, Tamar Consols, Heignston Downs, Mary Ann, Trelawny, Tregorden, Herodsfoot, Trehane, Trethevy, and Bwich Consols,

Stray Park, Condurrow, Tamar Consols, Heignston Downs, Mary Ann, Trelawny, Tregorden, Herodsfoot, Trehane, Trethevy, and Bwich Consols, A very intelligent and esteemed correspondent, writing from Cardiganshire refers to the following mines as likely to take a prominent and permanent position in that rich mineral district:—Nant-y-Cria: There is a course of ore yielding upwards of a ton to the fathom in the 10 fm. level, west of the western engine-shaft; this level will shortly go into high ground westward, and is likely to lay open a long run of good ore—Court Grange. The ore continues very good in the 30 fm. level eastward and westward at Penycefn, and in the 10 westward at Llettynhen. The dressing machinery at Penycefn will be brought into operation to-day.—Cwm Erfin: Good ore in the stopes, east of Robert's winze, and the 20 east and west of ditto.—Bucha Consols: Good ore in the 40, east and west of Phillip's winze, continues between the engine-shaft.—Daren: Very good ore in the stopes over the middle adit, called level Coed; the cross-cuts have not met with any ore ground.—Grogovinion: The old workings, on the south lode, are cleared to within 14 fms. of the deep adit; good ore on the north lode in the stopes over the middle adit, called level Coed; the cross-cuts have not met with any ore ground.—Grogovinion: The old workings, on the south lode, are cleared to within 14 fms. of the deep adit; good ore on the north lode in the stopes and drivings. I hear from Llanydoes, on the eastern side of the Plinlymmon Mountain, that the Bryntaigh Mine turns out a great deal of ore from the side of the old workings; and that this is likely to be a most profitable concern.

In foreign mines there has been a fair proportion of business transacted, especially in United Mexican, Copingo. St. John de Rey, Imperial Brazilian, Australian, Linares, North British Australasian, and National Brazilian, shares have also been done.

Considerable business has been done in the United Mexican shares this week at advanced prices, arisin

have also been done.

Considerable business has been done in the United Mexican shares this week at advanced prices, arising from the improved aspect of this property; and great hopes are entertained that the new mine, called Jesus Mana y José, situated on the same vein as the mines of La Luz and San Lucia, now yielding such extraordinary returns to the adventurers, will equal those in productiveness when fairly opened out.

Advices have been received from their manager by the North British Australasian Company that the Supreme Court of the colony of New Zealand pronounced judgment in the case of the "Queen v. Taylor," confirming in the company's favour the original Crown grant to the Island of Kaw-aw.

The Copiapo Mining Company are without their usual detailed report, in consequence of their managing agent being absent at the time of the sailing of the mail packet. The produce of the copper mines of Checo and San Pedro for the month of August is given at 58 tons. The ailver mines of San Jose del Carmen and Al Fin Hallada continue producing rich work.

The National Brazilian letters are to the 22d Sept., and the produce for 18 days are—from Cocaes, mks. 18 2 3 22; and Cuiaba, mks. 3 0 3 48—mks. 21 2 6 70. There is no important change since the last report.

The Imperial Brazilian advices are to the 3d Oct., but they contain no information of importance further than stating the preliminary arrangements making for more vigorous operations. The gold report for 10 days' stamping gives 3 bs. 2 cs. 1 dwt. 6 grs.; being, from Gongo Soco, 1 b. 7 cs. 7 dwts., and Bananal, for the same period, 1 b. 7 css. 9 dwts. The total from both mines since the 1st July 48 bs. 1 cs. 5 dwts.

From the Linares Mines the most satisfactory reports continue to be received, and the future prospects are of the most encouraging character.

The advices received by the India mail, yesterday, represent metals as rather improved in value, with an active demand for iron and spelter.

COMPANY OF COPPER MINERS IN ENGLAND.—The result of the labours of the committee of adjudication, appointed in April last, which it was anticipated would lead to a complete and easy resuscitation of this ancient and honourable company, and which was supposed would have been effected in the course of the present month, has received a sudden check, owing to some few of the parties interested holding out against the equitable arrangement proposed by the committee. It would be premature at present to enter into further details; but we shall shortly be able to give the full particulars which have led to this apparently unfortunate result. A court of directors was held on the 5th inst., which was adjourned to the 12th. In all probability, a general court of proprietors will shortly be summoned, to take into consideration the affairs of the company.

VALLEY OF LOETCHEN MINING COMPANY.—A correspondent informs us, in answer to a letter published in last week's Journal, that the suit pending before the Grand Council of the Valuis is not yet decided. The cause of dispute was originally brought before the Court of the Civil Judge of Sion, and thence removed, by one of the parties, to the State Council, who have hitherto occupied themselves only in considering whether they are a body competent to decide on such a question. After much deliberation upon the peculiar mining laws of the Canton, the Canton decided their competency, or otherwise, in the affirmative; but the matter in dispute between the parties remains undecided. Of the value of the shares offered at 50l. each at Manchester our correspondent gives no opinion, knowing nothing of their number, nor has he any information on the present workings, or prospects, of the mines.

ARRIVALS OF SPECIE.—The following arrivals of specie have just taken place from the ports mentioned:—The vessel Free Trade, from Oporto, has brought 8 cases of buillion, addressed, and 2 cases of buillion, consigned to order; the Blue Bell, from Port Elisabeth, 2 cases of specie, addressed; the line of packet ship, Independence, from New York, 3 packages of specie, consigned to a firm in the metropolis; the Thomas Sneed, from Cabe-coast Castle, 2 packages of copper consigned in a similar manner; the Mountain Maid, from Port Beaufor, 20 packages of copper, consigned in a deldonia, from Hamburgh, 5 casts of copper, addressed; the Habella, from Hombay, 7 boxes of silver, consigned to order; the Dryad, from Valparalso, 975 bars of copper, consigned to a firm in the metropolis; the Fortifiele, from Whampon, has brought 2 boxes of treasure, consigned to order; the 309 boxes of treasure, addressed (the Orderia Beak; the Killog, from Creastait, 1098 ingots of copper; and the Grytain, from the same part, 1800 ingots of copper, consigned; the Fheesir, from St. Fetersburgh, 2810 ingots of copper, consigned; the Flower of Upic, from St. Fetersburgh, 1213 ingots of copper, to order; and the reastle Queen, from Callao, 18 packages of specie, consigned to a firm of eminence in the metropolis.

PRICES OF M	INING SHARES.
BRITISH MINES.	BRITISH MINES—continued. Shares. Company. Faid. Price. 256 Rosewarva Mines. ————————————————————————————————————
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128 East Pool	125 Wheat Ann 504
1024 East Buller	512 Wheal Anna Maria 7 4 120 Wheal Bal 54 10 256 Wheal Benny 144 2
128 East Wheal Rose 50 605 630	256 Wheal Benny 141 2 1024 Wheal Bray 10 10
- East of Scotland from Co. 5 14	2324 Wheat Calstock 9 90 os
123 East Wheal Seton 14 19 1280 Esgair Liee 14 2 4 248 Exmoor Wh. Eliza 6 6	
248 Exmoor Wh. Eliza 6 6	100 Wheal Friendly 70 60 80
248 Extraorr wil Elizar	256 Wheal Fortescue 15 5 100 Wheal Friendly 70 60 80 388 Wheal Franco 27 11 12 100 Wheal Henry 24 24 1024 Wheal Lawrence 24 24
4000 Gen. Mining Co.for Irel. 14 14	1024 Wheal Lawrence 21 21
128 Goonvres 4 2	519 Wheel Many Ann. 19 225 230
128 Goonvrea	5000 Wheat May 2
512 Gt.Wh.Rough Tor Con. 241. 18 20	360 Wheal Oak
256 riawkmoor 121 53 65	3000 Wheat Penhale
6000 Grows State Company. 5	148 Witchi Muse 60 3
1500 Hennock Silver-Lead 5564 5 14 1500 Hennock Silver-Lead 5564 5 14 15 16 16 16 16 16 16 16	199 Wheal Setton 214 250 180 Wheal Sisters 356, 5 512 Wheal Sophia 50, 6 70 128 Wheal Spearne 10 68 70 128 Wheal St. Arm 30 33 550 Wheal Trecoli 10, 19 20 560 Wheal Trelawny 77, 80 86 256 Wh.Tremaine(St.Ervan) 9, 22 1024 Wheal Tremaine(St.Ervan) 9, 24 1024 Wheal Tremaine(St.Ervan) 9, 24
256 Herodsfoot 2710 104	512 Wheat Sophia 51 7
1000 Holmbush 22 . 6	128 Wheal St. Am 30 88 70
1924 Kingsett and Bedford. 14. 32 44 787 Kirkeudbrightshire 84. 14 2	550 Wheal Trescoll 101 19 20
787 Kirkendbrightshire 84., 14 2 2018 Lamheroon Wh. Maria 8 24	256 Wh.Tremaine(St.Ervan) 94 21
12s Leiant Consols 90 40 50	1024 Wheal Tremayne 98 54
160 Levant	267 Wheal Tryphena 140 30 1000 Wheal Vincent 28 7 128 Wheal Vlow (Perranz.) 14 14 184 Wheal Vyvyan 60
1000 Llwynmalees 81., 11 15	128 Wheal Vlow (Perranz.) 13 13
253 Lostwithiel Consols 23 10 6000 Marke Valley 10 \$ 1	per the series of the series o
6000 Marke Valley 10 \$ 1	FOREIGN MINES. 5000 Aften Mining Company 141. 21 21 15000 Assurian Mining Co 15 . 21
SOUR MEHRID HILL TARREST BELL 2 34 1	15000 Asterian Mining Co 15 . 24
1 44 5	6000 Barossa Range 18 4
256 New East Crowndale. 31. 42 5	2000 Bolanos 150 —
140 North Roskear 54 150	3000 Bolanos
202 North Wh. Lelsure 14 2 5000 Northern Coul Co 20 2 12 Old Wheal Frosper 75 128 Par Consols 552 650 1248 Pargelly Tin 1 1 5000 Pennant & Craigwen 22 2 1024 Pennant & Craigwen 24 5 1024 Pennant & Craigwen 24 5 1024 Pennant & Craigwen 64 6 200 Polanth Consols 54 4	12000 Cobre Copper Co 40 29
12 Old Wheal Prosper 75	20000 General Mining Ass'n. 20 . 104
128 Par Consols 552 650	3000 Kinzigthal Mining Ass. 2
8000 Pennant & Craigwen. 21 2	5051 Mexican Company 594
512 Plymouth Wh. Yeoland 64 6	5000 National Brazilian 30 34
200 Polsaith Consols 54 44 2500 Rhoswiddol&Bacheiddon 10 10	104000 N. Brit. Australasian . 1 . 4
2000 Rhymney Iron 50 13	11000 St. John del Rey 15 104
0000 Ditto New 7 64 1000 Rosewall Hill 1 5	7000 Royal Santiago 10 5 11000 St. John del Rey 15 10 43174 United Mexicam Av. 254.54 5 10,000 Worthing (S. A.) 2 2
LATEST CURRENT P	RICES OF METALS.

LATEST CURRENT P	EMBER 7, 1849.
ENGLISH IRON. a	Tile
Tough cakeper ton 84 0 0	Quicksilver o per lb. 3s. 4d.

REMARKS.—The iron market has been tolerably steady throughout the week, and, with the exception of Scotch pig-iron, hast week's prices are fully maintained. Welsh bar-iron is firm, at 5t. 5s., free an board at the pert, less 3 per cent. discount for cash. All descriptions of Staffordshire iron have improved; force pigs must be quoted at an advance of 5s. to 7s. 6d. per ton from the lowest point. The heavy stock of Scotch pigiron (with a production greater than at any other period) mixed Nos., which were last week purchased freely on specific had at 44s. 6d. to 45s. riod) has caused a reaction; speculation at 47s. 6d., are no

MONTHLY REPORT.—Row.—We have experienced an improvement in Welah bary. The stock in Wales being exceedingly light, has induced dealers and others to come forward, and large purchases have been made from makers, at prices ranging from 4.12s. 6d. up to 5t. per ton, free on board in Wales. Most of the makers are now saking \$1.5s. per ton. Rails are firm at \$1, to \$3.5s., according to section. Following the movement in Welah bars, Scotch pig-from advanced to 68s. to 48s. per ton cash, for mixed Nos., free on board at Glasgow; but the stocks in Scotland being large (the reverse of the cass with bars in Wales) no inducement was offered to aubstantial buyers, and the advance her, in consequence, not been stitistined. The price may now be quoted 45s. to 48s. per ton, mixed Nos., so of ordinary brands: 48s. to 48s. 6d., No. 1, Gartaherrie. Staffordairre from has been in moderate request. Swedish iron and Key steel are held firm at quotations. Copyras is in fair demand, with prices firm, as quoted.

This is in good demand. The price of English is firm, and foreign has, advanced a shade Tisy Patras are in fair request, with prices on the advance.

Laab has been in much request, and an advance of full 10s. per ton has been established. Spectras.—Owing to speculations at Hambuugh, the price of this article advanced about the middle of the month to 18t. 15s. to 16t. per ton, with considerable inquirty, but since then it has not been in request, though hotiger are firm at my quotation of 10s. 10s. The stocks in wavehouse, on 1st inst., were 3890 tons, against 2500 tons at same period last year.

Quicksilves has advanced to 3s. 4d. per 1b.

MANCHESTER, Duc. 4.—The excitement which prevailed in our market throughout the greater part of last week has temporarily antided, and we have to report a quiet market to-day, with little business doing. After a week of extraordinary exaitment, which has induced very general and extensive dealings, this panse is easily accounted for, particularly as prices ind advanced from 4s. to 8s. per ton, thus enabling many holders and speculators to realize a fair profit before any onlay of money was required; this being done in many instances by merely transferring the original contract. But while this cheumstance has certainly caused prices to recede for the moment, and may possibly occasion a further decline, we see no reason for altering the opinion which we have frequently expressed, that there is abundant scope for a considerable advance in Scotch pig-iron open the present rates. Our impulies have also elicited the fact, that a simultaneous improvement is manifesting itself in most of the European markets, in most of which the stocks are reported to be unusually light.

GLASGOW, Dic. 6.—The recent advance in the price of Scotch pig-iron being, as we stated before, mainly caused by speculative operations, we have this week experienced the very natural result of a slight reaction. Buyers have become very shy, and holders seem uncertain how to act. The business has been very limited this week in consequence, and the price of mixed Nos. may be quoted at 46s, cash.

EXPORTS OF METALS TO ALL INDIA FROM LONDON AND LIVERPOOL,

	I LLEVEN MONT	HR OF 1948	AND 1849.	
Metala.	1848.	1849.	In. in 1849.	Dec. in 1849
Spelter	Tons 2805	. 3943	1138	
Copper	3141	. 5694	2553	
Iron, British	18475	*33419	14944	
Ditto, Foreign	339	. 2164	1825	
Tin-places	Somes 3909	. 13421	9512	
Lead	Tons 661	. 3087	2426	**
Steel	253	. 952	699	
Quicksilver	loitles 25	. 262	237	

LEAD ORES.

Ticaetings for about 100 tons (20 cwts.) Newtonards Lead Ore.

Douglas, Isle of Man, December 1.

Price per Ton.
9 8 6
9 14 6
9 18 0
the late with the late of the second state.
d December.
rice. Purchasers.
11 0 Panther Smelting Co.
13 0 ··· ditto
11 0 ditto
90 (21 cwts.)
at the said while the or the
9 6 R. Michell & Son.
4 0 Sims & Co.
5 0 ditto
and the second s
13 0 Walker Parker & Co.
the second and to rettle land to the land of the
mber.
Amount. Purchasers.

7	bns	C.	qr.	tb.		:F	rice		acy).	Am	oun	t. Purchasers.
	7	7	2	4		£44	0	0		£324	11	6. Enthoyen & Co.
	7	6	0	5		44	C	0		321	6	0 Union Tin Co.
	4	1	3	17	40.0	. 35	0	0		143	6	7 Enthoven & Co.
*****	4	1	3	18		. 35	0	0		143	6	11. Union Tin Co.
	** ** **	····· 7	····· 7 7 7 ····· 7 6 ···· 4 1	7 7 2 7 6 0 4 1 3	7 7 2 4 7 6 0 5 4 1 3 17	7 7 2 4 7 6 0 5 4 1 3 17	7 7 2 4 £44 7 6 0 5 44 4 1 3 17 35	7 7 2 4 £44 0 7 6 0 5 44 C 4 1 3 17 35 0	7 7 2 4 £44 0 0 7 6 0 5 44 C 0 4 1 3 17 35 0 0	7 7 2 4 £44 0 0 7 6 0 5 44 C 0 4 1 3 17 35 0 0	7 7 2 4 £44 0 0 £324 7 6 0 5 44 0 0 321 4 1 3 17 35 0 0 143	Tons c. gr. (b. Price. Amoun

Mine. Tons c. qr. lbs. Amount. Purchasers.

Runnaford Coombe Tons 4 £47 0 0 .. Daubuz; Calenick; Williams.

COPPER ORES.
Sampled Nov. 21, and Sold at Andrew's Hotel, Redruth, Dec. 6.

Mines. Tons. Price.	Atines. Tons, Price.
Wh. Seton £5 0 €	East Wh. Crofty . 40 £0 14
ditto 84 2 13 6	ditto 37 2 3
ditto 83 3 11 (ditto 18 1 5
ditto 76 4 14 0	Dudnance 72 6 5
ditto 72 5 15 0	Longelese
ditto 68 2 8 0	Tincroft 83 4 15
ditto 64 5 9 0	
ditto 43 4 5 6	ditto 76 4 10
ditto 33 3 17 6	ditto 58 4 0
South Wh. Basset 102 5 2 6	ditto 47 2 14
ditto 90 5 10 €	ditto - 46 1 10
ditto 87 2 11 0	dist-
ditto 70 2 4 6	ditto 37 7 9
ditto 62 6 6 6	Fower Consols 93 8 6
Citto 38 3 13 6	âltio 78 6 5
ditto 40 19 2 0	ditto 75 8 17
ditto 39 18 13 0	Dolcoath 79 4 1
North Pool 3 8 0	ditto 67 6 3
ditto 98 5 12 6	ditto 42 2 12
ditto 97 5 14 6	ditto 28 13 6
ditto 80 2 15 6	Condurrow 62 4 14
ditto 70 5 9 0	ditto 55 3 11
ditto 64 3 0 6	ditto 44 10 12
Camborne Vean 83 4 8 0	ditto 36 10 7
ditto 67 6 4 0	ditto 14 1 9
ditto 66 3 14 0	East Pool 63 5 7
ditto 61 4 5 0	ditto 53 2 16
ditto 57 5 7 0	ditto 32 14 10
ditto 52 1 18 0	ditto 30 0 15
ditto 50 3 5 6	Wh. Mary 80 5 17
ditto 40 7 16 0	Alsen mo
Wheal Francis 34 3 7 0	Camely With Danson and
East Wh. Crofty 101 5 2 6	
ditto 94 5 15 6	
ditto 90 4 10 6	Nowth Dockson 100
50 1111 4 10 0	MORTH MORKERY 100 6 14

TOTAL PRODUCE.

Wh. Seton	621	£	2603	10	6	Tiperoft	468		£1784	10	6
South Wh. Basset.	543	****	3435	17	6	Fowey Consols	246		1925	0	6
North Pool	520	****	2281	1	6	Dolcoath	216		1216	12	6
Camborne Vean ?	810	200	9977	0	0	Condurrow	211		1349	10	0
Wh. Francis	010	****	2211	9							
East Wh. Crofty ?	GHT		A. Louis		64	Wh. Mary	150		681	15	0
Dudnance }	474	****	2169	4	6	South Wh. Frances	127	****	1156	10	0
Longclose 3						North Roskear	100		672	10	0

COMPANIES BY WHOM THE ORES WERE PURCHASED.

Teach rade trestore thresholders for drong posterior for	Tons.		An	mos	at.	
Mines Royal	138		£786	5	0	
Vivian and Sons			5722	10	1)	
Freeman and Co.	385		2330	14	2	
Grenfell and Sons		*****	4027	6	0	
Crown Copper Company	23	*****	70	11	8	
Sims, Willyams, and Co	409	*****	2321	. 7	8	
Williams, Foster, and Co	1243	*****	5986	2	11	
Schneider and Co	263		1282	8	9	

Total tons...... 4364 £ 22,527 2 0 Copper ores for sale on Thursday next, at Andrew's Hotel, Redruth.—Carn Brea 1020—Tywarnhayle 450—Par Consols 253—Levant 210—West Wheal Buller 168—Wheal Tremayne 156—Wellington Mines 126—West Wheal Seton 119—Wheal Agar 117—West Wheal Treasury 110—Hawkines 126—West Wheal Seton 119—Wheal Agar 117—West Wheal Treasury 110—Hawkines 126—West Wheal Treasury 110—Trans 27—St. Aubyn and Grylls 22—Whoal Prosper 18—Bastain's Ore 10.—Total, 2887 tons.

Copper cres for sale on Thursday week, at Andrew's Hotel, Redruth.—Mines and Paces.—Devon Great Consols, Wheal Josiah, Wheal Maria, Wheal Fany, and Wheal Annia 1260—West Caradon 281.—Marke Valley 246.—Fowey Consols 243.—Wheal Frien ship 189.—Bedford United Mines 120.—Holmbush 100.—Wheal Pink 56.—Creeg Braws.—Fracnix Mines 23.—Total, 2547 tons.

COPPER ORES

At SWANSEA, for sale December 13.—Cobre 91, ditto 87, ditto 83, ditto 61, ditto 50, ditto 47, ditto 15, ditto 44—Santiago 100, ditto 86, ditto 78, ditto 72, ditto 65, ditto 5—Bearhaven 121, ditto 95, ditto 93—Burra Burra 51, ditto 49, ditto 48—Knockmahon 96—Burra ne 21. - Lack ore 18.-Total,

MINING APPOINTMENTS FOR DECEMBER.

MINING APPOINTMENTS FOR DECEMBER.

Wheal Seton account, on the mine. United, Tresavean, and other mines sampling. Ticketings at Andrew's Hotel, Redruth—Carn Brea and other mines. Stray Fark account, on the mine. Stray Fark account, on the mine. East Pool account, on the mine. North Roskear, Wheal Seton, North Pool, and other mines sampling. Ticketing at Andrew's Hotel, Redruth—Devon Consols and other mines. Budnick pay.

Great Consols, United, Com ort, and Seton pay.

Carn Brea and other mines sampling.

Ticketings at Andrew's Hotel, Redruth—United, Tresavean, and other mines.

British Mising Interests.—In consequence of an unusual press of matter received for insertion in our present Number, we have been reluctantly compelled to postpone, with others, the advertisement relative to a testimonial to Mr. Sharp, for his exertions during the progress of the bill in Parliament for the reduction of the duty on foreign ores; as also several important communications, which will appear in our next.

NOTICES TO CORRESPONDENTS.

NOTICES TO CORRESPONDENTS.

We must impress upon our correspondents, the necessity of invariably furnishing us with their names and addresses—not that their communications should, consequently, be noticed, but as an earnest to us of their good faith.

The communications of Mr. David Mushet, on the Manufacture of Iron, and of Mr. F. W. Campin, on the Patent Laws, are unavoidably postponed.

**A Reader and Manufacturer."—We are not aware of any arrangement for the preservation of air-pumps from the corresive effects of acrid gases. The usual and most appropriate method of transferring such vapours from one vessel to another is by the pneumatic, or where the gas is absorbable by water, the mercurial trough. If for this particular experiment our correspondent cannot avail himself of either of these, we should recommend him to apply to Mesars. Knight and Sons, Foster-lane, Cheapside, who possess every means of information on philosophical apparatus for all purposes.

"Lusor."—In Mr. Brandt's patent for the bearings of railway carriages, he certainly does not claim userly the employment of friction wheels, but a peculiar method of applying them. We merely gave a plain description of the plan, and results which we had seen, leaving the public to judge for themselves. We are quite aware of the general knowledge of the power of friction wheels which has long existed, notwithstanding which there have been several patents for different modifications of the plan, among which we may mention that of Mr. Coles, Charing-cross. We believe Mr. Haigs patent is for the peculiar method of obtaining the motion; how far it is worth a patent, the proprietor is supposed to be the best judge.

John Read (Polberrow).—The description of the brick machine alluded to, our correspondent will find in the Journal for January 29, 1848. It was the invention of, and patented by, Mr. Legros, and was for some time exhibited in South Motion street. Bricks made by this process were much more pondrous and durable than those made by hand, from the grea

Institution, is given at length.

I. Smith (Southwark).—The communication on the adulteration of flour is too lengthy for insertion entire; we, therefore, give the spirit of it. In answer to Dr. Murray and Mr. John Mitchell, Mr. Smith says, that even unleavened bread, such as biscuits, &c., if adulterated with one-twentieth part of grypsum, or chalk, would be so hard that it would be impossible to masticate them. He acknowledges the use of alum in small quantities, and which the bakers would be glad to dispense with, but the public taste for white bread compels its employment. Potatoes also, he states, they are obliged to use, from the peculiar bread required in the London market, but they would be glad, if possible, to use flour alone, which would be more profitable.

(A. Sharphology (Stochart), we learn that South Wheal Mark has been suspended.

gasq, it possible, to use nour alone, which would be more profitable.

A Shareholder" (Stockport).—We learn that South Wheal Maria has been suspended or partially so, for the purpose of obtaining additional capital, and then proceeding with increased vigour. Mr. John Seccombe, of Tavistock, the purser, will no doubt readily farnish all the information required, as we believe he still entertains the most sanguine anticipations of the results, if worked with efficient means.

The letter of Mr. Copeland, on his Improvements in Blasting Operations, reached us too late for insertion this week.

"P.O. P." (Newington).—The most recent work on the Cornish pumping engine is by Mr. Wicksteed. There is also another, entitled *Pole on the Cornish Engine*. Both can be obtained of Mr. John Weale, High Holborn.

Mr. Wicksteed. There is also another, entitled Fole on the Cornish Engine. Both can be obtained of Mr. John Weale, High Holborn.

John Strathdee (Mauchiliee). — We have not been able to obtain any information as to the value of the property of the Demelra Mining Company; but, after numerous enquiries for the parties connected with the company, we regret to state that all accounts we have received have been most unsatisfactory and uncomplimentary.

E. W." (Oswestry).— None of the recent patents for improvements in the smelting of zinc ores have been adopted in this country. The manufacturers in Belgium and Germany can manufacture it to equal the Silesian. When spelter was at 201, per ton, some of our smelters reduced the orea. The present price is 15t. 10s., and is too low to realise a profit in England. Mext week we purpose giving a brief account of the method of smelting sinc ores in Germany.

"A Subscriber " (Wrexham).— The most recent work published on dialling, and which is well calculated for mining students, is Nicholeson on Dialling. It can be obtained of Mr. John Weale, bookseller, High Holborn. The other work alluded to—Kennedy and Hackwood's Tables for Setting-out Curees for Rairiesys. Canals, Roads, &c.—was noticed in the Journal of the lat September, and was also published by Mr. Weale.

A Regular Subscriber " (Glasgow).—The case of Warner v. The Copper Miners' Company, is a friendly sait on the part of the plaintiff, praying the Court of Chancery to administer to the Trust Deed. It is not expected that the Master will give his report before the termination of next March, or the commencement of the following month.

"An Engineering Pupil" (Greenwich).—It was originally intended that the London and Morth-Western Railway should pass through Northampton. Among the reasons for opposition, it was urged by many respectable and wealthy grazlers in the neighbourhood, that the smoke of the passing engines would seriously discolour the wool of their sheep; and that the repeated progress of the locomotive thro

sheep; and that the repeated progress of the locomotive through the meadows would prevent the cattle from fattening, by the continual slarm and distraction which it would cause to the animals.

46. T." (Tyndrum)—The rocks of the sonthern division of Frfeshire chiefly belong to the coal formation of geologists, and form a portion of the great coal field of the Forth. Glance, or blind coal, as it is sometimes called, is met with occasionally. Slate coal, pitch coal, and Camel coal are also occasionally found together in the same bed, and sometimes in separate strata in the same pit. From a charier, dated in March, 1291, it would appear that coal has been worked in this country for more than five centuries. William de Oberville there grants liberly to the convent of Dunfermiline to open a coal pit in his lands of Bityncreiff. But it has been alledged that this is not the first instance of a Scotch charter containing a right to work coal, for one dated 1284-85 is said to exist; from which it may be inferred that coal was worked in the lands of Tranent before that period. The principal coal works in the country at present are those in the parishes of Dunfermilian. Dysart, wennys, and Markitosh; but end is also worked at a present, or has been so formerly, in the parishes of Torryburn, Investelthing, Dalgely, Burntisland, Abbotshall, Auchterderran, Scopnie, Largo, and Pittenweem. Limestone is also abundant in the same district. From the Charleston quarries, the property of the Earl of Elgin, upwards of 100,000 tons of it are annually raised, which quantity is either shipped or sold in its native state, or after being calcined.

A Glass-blower "(Newcastle).—Though extensively used by the Romans, no mention of glass is made by any of their writers before the time of Lucretius. From the allusions to its lustre and transparency which occur in the writings of the Augustan age, glass would seem to have been then manufactured in considerable purity. But, perhaps, the word usually translated glass, may refer to some natural

an impost was laid on it by Alexander Severus.

An Enquirer "(Wolverhampton).—According to Chaptal, there are 330 blast furn in France; and the amount of pig-fron annually made is about 100,000 tons.

Three per Cent." (Cardigan).—The sinking fund was established in 1716. The am of the scheme was the Earl of Stanhope, but as it was adopted under the administion of Sir Robert Walpole, it is commonly denominated his plan.

3. P. "(Austinfrars).—The in mines of Galicia were formerly worked by the Spania Government. They were abandoned in 1798, either from the negligence displayed it their working and great expense, as is generally the case in Government establish ments, or that they were not senticiately rich to warrant a continuance of the operations necessary for their exploration. They are situated at Ciervas, one league from Montanux.

Montamy.

Miner" (Camborne).—Yttrocerite has only been discovered at Fendbo, near Fahlen in Sweden, disseminated in quartz, and associated with albite and pyrophysalite. It is composed of axide of cerium, lime, flaoric acid, and lythin. It scolour is violet, or a greyish red, often unigided in the same specimen. It occurs in amorphous masses varying from a thin crust to half-a-pound in weight, and presenting occasional traces or cleavage, parallel to the sides of an oblique rhombior prism, whose lateral planes incline under angles of about 108 deg. 39 min. It is opaque, lastre glistening. Before the blowpipe, by itself, it loses colour, and becomes white, but does not iuse; though on the addition of gypsum it melts readily in an opaque globule. It is soluable, with residue, in markate acid.

sidue, in muriatic acid.

Enquirer" (Brighton).—It has long been proposed to form a communication between the Atlantic and Pacific oceans, by means of the Isthmus of Panama. A very interesting account of a gurvey of a line across the Isthmus of Panama. A very interesting account of a different line, by the Lake of Nicaragua, is given by Captain Phillips, in the Journal of the Royal Geographical Society, vol. ill. p. 215. There can be no question that a ship canal, if practicable, would be greatly preferable to any other equally slow communication; and a railway, again, better than a small canal. A line partaking of both has long been talked of.

B. C. D." (Liverpool).—In later times we have had two or three believers in transmutation. In the year 1782, Dr. Price, of Guildford, by means of a white and red powder, professed to convert mercury into silver and gold, and is said to have convinced many disbelievers of the possibility of such a change. His experiments were to have been repeated before an alequate tribunal, but he put a period to his existence by swallowing laurel water.

A Town." (Kingte Collego.) —The named reposes for Objeting phosphuret of calcium is

been repeated before an adequate tribunal, but he put a period to his existence by swallowing laurel water.

"A Tyro" (King's College).—The usual process for obtaining phosphuret of calcium is this:—Select a green glass or porcelain tube, closed at one end, and about is inches long, and I inch diameter, and carefully cover it over with a clay lute, containing a very little borax. Put an ounce of phosphorus, broken into small pieces, in the lower end, and fill 't up with pieces of clean quick line, about the size of large pear, place it in an inclined position in the furnace, so that the end containing the phosphorus may protrude while the upper part of the tube is heating; then alowly draw the cool part into the fire, by which the phosphorus will be volatelized, and passing into the hot lime, convert a portion of it into phosphuret. Care should be taken that no considerable portion of the phophorus escapes and barns away at the open end of the tube, which, after the process, should be corked, and suffered to cool. Its contents may then be shaken upon a since of paper, and the known pieces picked out, and carefully preserved in a well-stopped phial. The white pieces, or those which are only pale brown, must be rejected. The success of this operation depends upon the skilful management of the temperature, and the difficulty of heating the whole of the lime up to a proper point, which should be short of a red heat; for if the temperature be insufficient, no combination ensues, and if too high, the compound is again decomposed, phosphorus evolved, and lime remains. According to Berzeius, phosphuret of kine is best obtained by heating pieces of lime in a long-necked matrass over the fame of a spirit-lamp, and dropping placephorus upon it. When the compound is again decomposed, phosphorus evolved, and lime remains. According to Berzeius, phosphuret of kine is best obtained by heating pieces of lime in a long-necked matrass over the fame of a spirit-lamp, and dropping placephorus upon it. When the compound is again de

seems time.

To should feel obliged to all pursers, captains, or adventurers, to forward particu-lars of meetings, &c., of the mines with which they may be connected, on the sarliest opportunity, that they may be published in the Journal.

And Post-office orders made payable to Wm. Salmon Mansell, as acting for the proprietor

THE MINING JOURNAL

Railbay and Commercial Sagette.

LONDON, DECEMBER 8, 1849

he Miming Journal is published at abor: Eleven o'clock on Saturday morning, at the office, 26, Fleet-street, and can be obtlined, before Twelve, of all news agents, at th Royal Exchange, and other parts of condon.

Perhaps no test could be more conclusive than that which the Perhaps no test could be more conclusive than that which the foreign trade of the kingdom for the current year furnishes of the wisdom of our recent tariff and navigation changes. Though we were advocates of the alterations when purposed, yet, certainly, we gave our humble voice for the experiments with considerable fear and hesitation. But now, when the commercial effect of those changes is partially ascertained, and we have a practical taste of their advantages with the just presumption of what will be the greater flood of benefits when the whole scheme comes into full operation. in these circumstances, we say, we are much in the case of the Queen of the South, who, when she came actually to see the glory of Solomon, declared that not a half of it, great as that was, had been told her. But it is to a small, and comparatively fractional, part of these advantages, that we wish for a moment to direct the attention of our readers. Between the months of April and September, in this year, there were shipped in American bottoms, from the little district of Newvert cases 2000 terms from the little district of there were shipped in American bottoms, from the little district of Newport, some 70,000 tons of iron rails, the produce and manufacture of that immediate vicinity. The American vessels brought to this country, for this mass of our wrought produce, an equivalent value of bread stuffs, from the great corn-growing districts of the Union; so that, in fact, it was an exchange of the iron wealth of the Monmouthshire hills, for the farm produce of the vast valley of the Mississipi. This is one result of the new maritime law by which our foreign commerce is for the future to be regulated; and we do not know a more compendious method, than that which this instance exhibits, of making distant trading circles of the world contribute to the profitable occupation and the wealth of each other. Our mining produce, in its various kinds, will, we doubt not, find markets by methods analogous to the particular one which is here quoted, for already the ports of the Levant, the Baltic, and the whole of the North American sea board of the Atlantic, have declared themselves for already the ports of the Levant, the Baltic, and the whole of the North American sea board of the Atlantic, have declared themselves open to the entire produce of Great Britain, as our ports are by statute open to theirs.

It is a singular truism, and mineralogical records prove it from the earliest period, that at all times, and in every country, the interest of the miner has been subservient to that of the smelter. It would be a work of no small research and labour, to endeavour to analyse the causes which have invariably led to this result, but such is the fact; and we believe in no trades so intimately depending on each other as those of smelting and mining, a like instance will be found. We see, with the cotton manufactures, that as soon as the price of the manufactured article rises in the market, that of the ray material increases in the same ratio; but with metals, a large advance must be obtained by the smelter before he thinks of offering the smallest advantage to the miner, and that often of such a trivial amount as scarcely, unless in large operations, to be perceptible. A similar parallel might be drawn between smelters and miners, as has lately been deduced from the conduct of railroad directors and their sharcholders; the former are a compact and firm body, while the latter are divided, and, from want of union and discipline, incapable

As limitar paratiet inight be trawn between statements and their shareholders; the former are a compact and firm body, while the latter are divided, and, from want of union and discipline, incapable of any energetic exertions or stremuous efforts to free themselves from the chain which enthrals them. The fettered state in which the copper smelters have bound, and still continue to hold, the mining interest, has so often been discussed in our columns, and the means of remedying the evil been shown, without those interested having paid the slightest attention, or taken the least steps in the right direction, that we feel any further allusion to it would be fuile, fully persuaded it is one of those crying evils which one day, sooner or later, will cure itself, though, probably, when the panacea is applied, it may be too late.

In our last Journal we made some remarks on the tin trade. We then stated that the price of tin in Holland was advancing; and we are happy to be enabled to announce, from intelligence lately received, that an increasing price may still further be looked for, while the demand for home consumption has improved. This should better the condition of the miner; but we fear, under the present system, the full advantage will not be reaped by the producer, the lion's share falling, as usual, to the reducer. On looking over the ancient annals of mining, we find that although the production of copper is but recent, not being worked to any extent before the reign of Charles the Second, that the existence of tin as a staple article of commerce has been co-eval with the discovery of the island; in fact, the richness of the tin mines is said to have been one of the causes which attracted the cupidity of the Romans, and planted the victorious eagles of Clasha, on the chalky cliffs of Albion.

During the Saxon lords of the soil and the still unconquered Cornubians, So important was its production considered by the kings of the Plantagenet dynasty, that special laws which are still in existence, and which con and not in the ore—this done, the condition of the miner will be ame-liorated. It is with pleasure we hall the improved prospects for the com-ing year; we trust that both the capitalist and the labourer will be mutually benefitted. We by no means would wish to raise class against class; but while the merchant and the smelter are making a profitable living from the metal, we think it but just that the miner, who has undergone the greatest toil to raise and dress the ore, should have a commensurate be-nefit with his colaborers.

From the late period of the week, and want of space, we were compelled to defer our remarks on the annual general meeting of the Alten Mining Association, held on the 30th Nov., and reported in our last week's Journal. From the report submitted to the shareholders, it appears that up to the 31st March last, to which period the accounts were made up, the loss on the year's proceedings was 588. 6s. 6d. To counterbalance this, it was shown that the produce from the mines, for the year ending 31st March, 1848, was 2093 tons of ore, containing 121½ tons of copper, whilst the produce for the year ending 31st March last, was 1879 tons of ore, containing 127 tons of copper; thus showing a decrease in ore of 214 tons. for the year ending 31st March last, was 1879 tons or ore, consanding 127 tons of copper; thus showing a decrease in ore of 214 tons, and an increase in copper of 6½ tons. The produce during the last

aix months had been gradually increasing, being, to the end of September this year, nearly 72 tons of copper. The directors account for the loss by the depreciation of the metal market, and the expenses they were obliged to incur in rebuilding their smelling furnaces, and give every hope to the shareholders that they will shortly find themselves in a condition to be enabled to declare an early dividend. We trust, for the sake of all concerned, that they will shortly find themselves in a condition to be enabled to fulfil this flattering promise; and we think, from the exemplary patience which the shareholders have displayed, through many years of doubt and reverses, they have richly carned some return for their capital. The property of the Alten Mining Association, although it has never been one of the leading mines, has always beld a respectable position; in its best days, its prosperity was not so overwhelming as to excite envy, nor has its leas fortunate epochs merited contompt. The greatest unanimity appears always to have prevailed between the directors and shareholders, and we have been spared the recital of the bickerings and mistrust, engendered by want of confidence, which it has been our painful lot to wilness in more notorious and larger properties. A large capital has been expended on the property, in buildings, machinery, and houses, for, on their starting, there was not an inhabitant within miles of the mines, or a shed upon the ground. This, together with the enormous cost of the introduction of smelting on the spot, coupled with the numberless failures and costly experiments before that was brought to perfection, caused a large sum to be sunk, from which there, possibly, could be derived no return. From the extent of the lodes, and the territory comprised in the company's concessions containing several square miles, there is no doubt that future discoveries for the whole of the truct is metalliferous may repay them for the capital expended on the plant, while the discovery and profitable working

In our last week's Number we made a few remarks on the subject of the North British Australasian Company, and a letter recently published by Mr. J. H. Murchison; since which that gentleman has received New Zealand letters by the last arrivals, which brought no information for the directors; the consequence is, Mr. Murchison is in possession of news down to six weeks later gentleman has received New Zealand letters by the last arrivals, which brought no information for the directors; the consequence is, Mr. Murcurson is in possession of news down to six weeks later date than the shareholders, who are—as well they may be—seriously dissatisfied with the palpable neglect of the manager. In consequence of this information, Mr. Murcurson has published a post-script to his letter, in which he shows up some of the doings in New Zealand—proceedings which certainly confirm his hitherto expressed opinions, and fully justify his endeavours to arouse the apathy of the proprietary. Not only does it appear that the absardity of raising the water 18 feet above the surface, for allowing it to work a water-wheel for the crushing apparants, is persevered in, but this absurdity is brought to a climax by the manager suggesting the raising water from the sea by a small pump, to aid the driblet which comes from the mine. The expense of the absurd project cannot be less than 300l. or 400l. The shart and engine are under a cliff close to the sea, and only just sufficiently elevated to avoid inundation. The smelling-works, about 13 mile distant, appear not to have been more judiciously erected or better managed. Considerable quantities of ore have been wasted; and although the smelters have been out two years they have only completed a single furnace for running the calcined ore to a regulus, for want of fire bricks. Other items of gross mismanagement are given; three times the price for work which ought to be given is paid, and the workpeople themselves are astounded at the reckless outlay. There are lookers-on in the staff of management sufficient to manage half a dozen such mines; but the great want is a general superintendent, not merely a miner, to place things on a well regulated and economical plan. Unless a thorough change take place in the present management, and the appointment of such superior officer takes place, it is unequivocally stated that the mine, however rich, must be worked at a loss

concluded that the grant was within the power and authority of the Governon to execute in July, 1844; and that he was not only entitled to the smaller number of acres named, but to the whole island. This decision had given general satisfaction in the colony, which was still further enhanced by the publication of the draft of a Crown Titles Bill, which the Governon had declared his intention of laying before the General Legislative Council in the following month (August), and which, certainly, is one of the most important and satisfactory steps in the annals of New Zealand legislation. It proposes to declare, in the most liberal and comprehensive spirit, and in explicit terms, the absolute validity of every grant of land within the province of New Ulster, made before the passing of the ordinance on behalf of the Crown by any governor, lieutemant governor, or other officer administering the Government for the time being. It is intended by this measure that the titles to all the grants made by Governor Fitzror shall be effectually settled, and that without infringing any existing rights of original native owners; any such party satisfying a judge of the Supreme Court that his right and title has never been extinguished is to be remunerated by an equitable compensation, charged upon the general revenue of the province. The proposed measure has met with general approbation, and it was probable would pave the way to the asta-

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RAILWAY AND COMMERCIAL GAZETTE.

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Ishment of greater confidence between the Government and the colonists than had hitherto existed.

With respect to the North British Australasian Company, this decision of the Supreme Court, declaring their title to the island of Kaw-aw good in law, is of very great importance; and should such judgment, and the proposed Crown Titles Bill, receive the Royal confirmation it will add materially to the prosperity of the company, provided a determination is come to, and acted upon, by the directors to complete a thorough reform in the administration of affairs, reduce all useless expenses, and keep up continuous and properly regulated correspondence with the manager in New Zealand, that the position of affairs there, notwithstanding the distance, may be tolerably well understood and acted upon here.

The unfavourable bias of the "Idler in the Asturias," is, as may be seen in another column, at length converted into words of propitious vaticination. This is an auspicious omen to all concerned; for his total independence of every party connected with the Asturian Mining Company, and his accurate sources of information respecting its property, leave little room to doubt that, when our correspondent speaks in an approving tone, there are fair hopes for the shareholders. We are not to be understood by this to pledge ourselves to the correctness of his views; but having attentively followed the course of his controversy with the former management, we are inclined to agree unconditionally in this, that any change from that management must be beneficial. It will be the shareholders' own fault, if, warned by the past, they fail for the future to keep over their representatives a constant and active surveillance, so as to raise a bar to all backslidings. Further the topics of this communication need no comment.

holders' own fault, if, warned by the past, they fail for the future to keep over their representatives a constant and active surveillance, so as to raise a bar to all backslidings. Further the topics of this communication need no comment.

But upon the letter of Mr. Mooze, which we place beside it, some animadversion may be expected from us; and as emanating from a lookeron, who sees more of the game than the losing hand, it may not be injudicious to make some observations. This letter comes to us from the chairman of the committee of investigation, who is evidently the mouth-piece of the liquidators. As authorised by his particular colleagues, we suppose, he thus furnishes us with the materials to dispel any misapprehension as to promises, on the faith of which the shareholders are called on to give further credit to assurances, which are in part dependent on the directors. It is quite true that many persons, in listening to the qualification by some of the directors, dove-tailed into the apparently plain understanding established at the meeting of the 27th Nov., doubted Mr. Mooner's power to fulfil the terms of it, as it was confessed that no resolution to that effect could be conclusive. We equally hesitated to confide in the sincerity of the liquidators in suggesting this inducement to the meeting. However, there is no reason to apprehend any equivocation in the frank and resolute announcement under consideration. Manifestly the liquidators, on whose behalf we presume Mr. Moore, speaks, have taken up high and sure grounds as regards the shareholders on the one s'de, and towards the directors on the other. The prudence, promptitude, and firmness of their conduct entitle them, therefore, to the support of the proprietors, particularly as explanations are unreservedly offered to all who may doubt the propriety of further investment. Indeed, the candour with which every inquiry has been answered has given us a very favourable impression of the policy now ascendant.

The possible necessity referred to by Mr. Mo

The necessity of establishing a searching and independent audit of railway accounts is now, we believe, very generally admitted, even by directors themselves; and none are better aware of the existence of such necessity than the black sheep among them, who have largely and fraudulently profited by the irresponsible nature of their appointments, and the loose and unbusiness-like manner in which the accounts have generally been conducted. The fear of a Government auditor being now before their eyes, something like a move is being made by the delegates from the various boards to reduce the auditing of the accounts to a system; and we have before us a circular, containing heads of a proposed bill to be introduced to Parliament for the purpose, drawn up by W. H. Long, Esq., of Putney. It appears that the Great Western directors issued, on the 20th November, a circular to their proprietary, containing a series of clauses agreed to by delegates from the several railway companies, for the purpose of ascertaining the general opinion on the question of audit. In reply to this circular, Mr. Long submits a series of proposed enactments, which, although probably not very palatable to many of the old directors, who have hitherto luxuriated in unlimited power, appear to us to be absolutely necessary, if shareholders generally are to have any right of control over their own property. Mr. Long most justly observes:

—"The Crown in their proposed legislation as relates to railway companies, treat them as public bodies, whose very existence must be made subservient to the public good, and in the management of whose affairs public control must be exercised, not only as a protection to persons who have embarked their property in the enterprise, but also as an equivalent for the, extensive powers and privileges granted, amounting, in a great measure, to a monopoly, and which the public requires shall be fettered with, wholesome restrictions and defined responsibilities. If, therefore, the tailway companies will not propose such effi

heads of enactments for consideration, as follows:—

1. That railway directors shall remain in office two consecutive years only—an entire year interventing before they become eligible for re-election; that no house list be allowed, but ex-directors to be allowed a personal canvas.

2. That the amount of qualification for directors of the company shall be defined by the bys-laws; and that no shareholder shall be eligible for office, or allowed to vota upon any question, until he has been six months on the register.

3. That no director shall be allowed to continue in the direction of the trunk line who is a shareholder in any of its branches at the time any measure is brought forward, to-lating to any fundamental change as to their existing relations, nor to any company mederating to any fundamental change as to their existing relations, nor to any company mederating rectumstances; and that it be made members on the saultions to accretion to the state of the state o

ing; that the majority present at such meeting shall bind the directors, but no proxies allowed; and that the auditors and accountant shall be entitled to attend this and all

ing; that the majority present at such meeting shall bind the directors, but no proxice allowed; and that the sudifors and accountant shall be entitled to attend this and all other meetings, ex-optico.

6. That the auditors and the accountant shall report to a ladeyeardy meeting of the control of the state of the st

gates of railway boards; further seeking information bearing upon the subject, and well digesting the same, in order that as full and perfect a measure may be had as it is possible to obtain.

In another column will be found a lengthened report of the proceedings at a meeting of Cameron's Steam-Coal Company, held on the 6th inst.; and well pleased are we to find that the lessors have evinced a disposition, which has been readily responded to by the shareholders, to combine their efforts in promoting the objects of the company, and their own interests, in making those concessions, on the one side or other, which common sense and prudence dictates. The present case is one which closely approximates to that of the Asturian Company—the one and other having being shamefully mismanaged, and a vast capital expended, without that ability or control being displayed, on the part of the direction, which the shareholders had a right to calculate upon. There are several points which well deserve attention as regards the past; while the present are of equal, if not of greater import, with respect to the future working of the colliery, and at the same time securing to the shareholders those important benefits which, we honestly believe, will be the result of the prosecution of the works with economical and honest management. It will be observed that certain advances have been made by the chairman, under circimstances which we consider are by no means warrantable; and, although approved by the standing counsel of the company (Afr. Coorea), could never be sustained in a court of law or equity, in the absence of any information being afforded to the shareholders, who have been kept in ignorance of these secret compacts, entered into between the directors themselves—one of which contracts is, we believe, more than two years old. It is for the shareholders to do as they think well, or best fit; but, so far as we are concerned, in adverting to such acts, we claim to ourselves the right of exposing abuses wherever we find thom.

Hav

IMPORTATION OF CHINESE TIN.—An importation of 2800 slabs of tin has taken place by the vessel John Betby, arrived in the docks from Canton, and the vessel Fortitude has also brought 1246 slabs of tin from Whampoa, as part of her cargo. The importation of tin from the Chinese empire is not of common occurrence, and the arrivals are of some interest and importance.

RUSSIAN COPPER.—The following arrivals of copper have taken place in one day from the Russian ports:—The vessel Command, from St. Petersburgh, has brought 1411 ingots; the William and Jane, from St. Petersburgh, 1200 ingots; and the Isis, also from the Russian capital, has brought 2811 ingots of the metal, the produce of Russia; and, in each instance, consigned to parties in the metal-receiver.

The Great Northern Railway Company are preparing to take the whole of the coal trade along their loop-line into their own hands, and have commenced the building of coal staiths at all the principal stations on the line. It is stated that they will sell the Silkstone coal at Lincoln at 9a per ton, whereas the price in the yards is 19a. At King's-cross station, London, they propose to retail the same coal at 17s. per ton, the price being in the metropolis 27s.

PREVENTION OF SMOKE FROM FURNACES.

PREVENTION OF SMOKE FROM FURNACES.

On Wednesday last, we inspected a furnace which has been constructed for the steam-engine boiler at the General Post-office, and which blds fair to come into very general use, where owners of steam-engines, or furnaces of any description, are desirous of getting rid of that nuisance to large manufacturing towns—dense black smoke. It has been constructed by Mr. Samuel Hall, who has, for so many years past, turned his almost undivided attention to the improvement of furnaces, and was patented by him in March last. The principle upon which this furnace is constructed is that of self-supplying and smoke-consuming; the back portion of the fire-bars being always covered with coke in a state of bright combustion, and the gases being produced from dry distillation in front, are consumed as they pass over the incandescent fuel in their passage to the chimney. The furnace bottom consists of 33 moveable fire-bars, placed laterally from front to back beneath the boiler, sliding in V shaped grooves, formed in the bearers. At the front end of the bars are two projections downwards, between which are 33 eccentric wheels, placed in different phases on one shaft, in such manner that every alternate three eccentrics are moving in different directions, by which means the bars in rotation are pushed forward and pulled backward in 6½ minutes.

On the upper portion of the bars are step-like projections, on which the coal is thrown in a hopper in front of the furnace—the effect being that the right-angled ends of the projections force the fuel gradually forward; but, on the backward stroke, the inclined planes pass beneath the coal without disturbing it; it is thus gradually spread over the back of the bars, where there is a trap-shelf to pass it, when required, finto the ash-pit. In front of the ash-pit, at a sufficient distance to allow the necessary current of air for complete combustion, is a sheet-iron door, which, when down, concentrates the draft to the front portion of the fire, where the c

New Arrangement for Employing Steam Expansively.—Mr. John Ericsson, C.E., of New York, has just secured a patent for an improved construction of engine for using steam expansively. The patentee claims as new the placing of the axis of the cylinder, and passing through the axis of vibration of the beam, and thus obtaining a more regular mechanical action on the crank by applying the steam expansively. In expansion engines, having two cylinders, with pistons moving in opposite directions, he also claims such an arrangement, that the large piston, during its return stroke, may have a vacuum on each side thus described. When combined with the smaller cylinder, connected with the boiler, and both ends in connection with one end of the larger or expansive cylinder, so that, when the piston of the smaller cylinder is acted upon on one side by the steam, there shall be a vacuum on the other side; and when the steam is acting by expansion on the larger piston, it shall be in connection with both ends of the small cylinder. He also claims the simultaneous employment of two single-action expansion crank engines, with their cranks on one and the same shaft on opposite sides of the centre, at an angle of 180°.

Reckless Neglect of Rallway Officials.—The midland counties, par-

it shall be in connection with both ends of the small cylinder. He also claims the simultaneous employment of two single-action expansion crank engines, with their cranks on one and the same shaft on opposite sides of the centre, at an angle of 180°.

Reckless Neglect of Railway Opposite sides of the centre, at an angle of 180°.

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Reckless Neglect of Railway Opposite sides of the late rains, been mundated to an extent which none of the inhabitants remember to have reached for upwards of 30 years. The Trent, from its source to its junction with the Humber, is one mland sea, occasionally extending for miles on either side; and on the banks of the smaller streams in Derbyshire, Leicestershire, and Staffordshire, it is the same, but to a more limited extent. An immense deal of damage has been done to numerous culverts, bridges, and railway works. In the neighbourhood of Burton-upon-Trent, on Monday, a portion of the embankment was washed down, delaying some of the subsequent trains for a considerable time; and from Monday menning early until Tuesday morning, the whole of the traffic upon the Erewash Valley branch was entirely stopped. Now, however, the broken portions of the embankment have been repaired, and the trains have recommenced running as usual. About 20 yards of embankment has been washed down on the Trent Valley line, and a similar catastrophe happened on the Lincoln line, near Thurgarton. A most serious accident has occurred during the week on the Nottingham and Lincoln Railway, by which, according to a correspondent of the Times of yesterday, the mail train is lying a complete wreck; engines and carriages being smashed to pieces. This was occasioned by a bridge or culvert giving way from the weight of water behind it; and the worst part of the business is, that it was known to the officials, and, consequently, ought to have been known to the dire

effect a saving of some 50001. per annum.

The Equitable Assurance Company.—At the quarterly general court of directors, held on Thursday last, the statement of the position of the company's affairs, as seen by the decennial investigation of the finances, showed the assets to be 4,955,0001. stock in the Three per Cents., and 4,189,8391. in cash at the Bank and on mortgage, making, with premiums and interest due, a total of 8,858,0471. The liabilities of every kind were 5,642,5441, leaving a surplus of 3,215,5031. Mr. Morgan (the actuary) read an interesting paper on the present state and future prospects of the company, from which it appeared that the sums paid in for premiums and entrance money since the company was established, in 1762, amounted to 19,067,563(; by improving the same at compound interest they had paid out 25,836,6371; of which 8,000,0001, was faid in the last 10 years; by the extension of business, the engagements on the lat of January next will be 14,000,0001, and to effect all this the entire expenses has only been 418,2361. It was resolved to apportion 2,118,3721, among the 5000 oldest assurances, and 1,102,1311, would be carried over as a rest for the next ten years, charged with a bonus of two per cent. per annum on the claims falling due in that interval among the 5000 oldest assurances.

Grand Juncaton Canal.—At the half-yearly meeting of proprietors, on

GRAND JUNCTION CANAL—At the half-yearly meeting of proprietors, on the 4th inst, a dividend was declared, at the rate of 5 per cent. per annum-leaving 1413l. to be carried to the rest. The tonnages of the half year ending the 30th of June last were stated to have amounted to 40,696l. (being 2609l. more than in the corresponding six months of the preceding year), and the entire report, confirming as it did the anticipations lately held out of the possible revival of canal traffic, was received by the shareholders with satisfaction.

BEGGENT'S CANAL COURANY—At the half-most received.

sible revival of canal traffic, was received by the shareholders with satisfaction. REGENT'S CANAL COMPAN.—At the half-yearly meeting of proprietors, held at the effices, on Wednesday last, the report was received and adopted; it stated that the traffic, which had been greatly depressed, presented satisfactory appearances of revival. In coal and building materials there had been a great deficiency, but in September coal regained the average, and building materials had improved in traffic. The profits for the half-year, to Sept. 30 last, were 1,957t. 5s., being sufficient for a dividend of 10s. per share, with a surplus of 348t. 5s. to add to the reserve fund. The entire receipts for the half-year were 23,818t. 10s. 8d., and disbursements 12,261t. 5s. 8d.—leaving profit, 11,037t.5s

THE MINING JOURNAL.

THORNEY CROFT'S PATENT RAILWAY AXLES, RAILS, AND TYRES.

RAILWAY TYRE. - SECTION No. 1, HALF SIZE

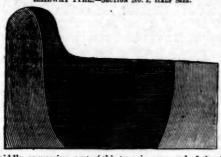


The middle, or wearing, part of this tyre is composed of chrystaline charcoal iron, the hardest and soundest iron made. The outward edges are
made from a mixture of India charcoal pig with the toughest fibrous iron
-the whole made upon an improved principle into one homogenous mass.

These charcoal tyres are warranted better and more durable than any
tyres made in England.

Price-£15 per ton net at the works, up to 34 cwts. each

RAILWAY TYRE. - SECTION No. 2, HALF SIZE.



The middle, or wearing, part of this tyre is composed of the best refined chrystaline puddled iron.

The outward edges are of the best No. 3 fibrous iron, and put together upon an improved principle into one homogenous mass.

These tyres are warranted quite equal to any made in Staffordshire.

Price-£10 10s. per ton net at the works, up to 3∮ cwts. each

BEST STAFFORDSHIRE TYRES-£8 10s. per ton at the works, up to 3 cwts. each

SECTION OF BRIGG'S PATENT COMPOUND AXLE.

Scale ; inch to a foot: parallel axle.

Price-£14 per ton net at the works

SECTION OF BRIGG'S PATENT COMPOUND AXLE, wing the extent to which the internal bar is welded solid at each end, drawn down i the middle half an inch.

Price-£15 per ton net at the works.

PATENT ANTILAMINATING CHARCOAL RAIL.—Section No. 1, HALF SIZE. Price-£10 per ton net at the works.



Patent Antilaminating Rails, made from the same quality as the bes S d iron. Price-£7 10s. per ton net at the works.

The upper, or wearing, part of these two sections of rails is made from antilaminating charcoal iron, much harder than any other iron, perfectly free from lamina. The under, or fibrous, part from best No. 3 puddled iron.

PATENT ANTILAMINATING CHARCOAL RAIL. - SECTION No. 2. HALF SIZE. Price-£10 per ton net at the works.



Patent Antilaminating Rails, made from the same quality as the best Price-£7 10s. per ton net at the works. So iron.

Rails of the same sections are made from puddled iron, quite free from damina in the wearing part, but soft and less durable than charcoal rails. This principle is applicable to any kind of rails.

I beg to inform the railway public, that the machinery for testing the strength of axles, and the strength and soundness of the tyres, is now ready; and I offer it to the public without any charge for its use, to try any one's make of axles and tyres they may think proper. A machine has been designed, and is now making by Messrs. Fox, Henderson, and Co., for proving the quality and durability of tyres and rails by actual wear and tear, the same as when at work on a railway, at any speed you like. The name of the designer is, I trust, a sufficient guarantee for its efficiency; in fact, it will be so true a test, that it must prove satisfactory to the most fastidious mind; and, so soon as it is completed, it shall be offered to the public, on the same terms as the testing machine above-mentioned.

Shrubbery Iron-Works, Wolverhampton. G. B. THORNEYCROFT.

Original Correspondence. ON THE MANUFACTURE OF IRON RAILS.

SIR,-Referring to Mr. R. P. Davis's letter, on the manufacture of iron rails, he takes upon himself to advise me to make myself acquainted with what is going on in the world, before giving the authority of my name to the letter of the "Staffordshire Ironmaster." I am not responsible for the the letter of the "Staffordshire Ironmaster." I am not responsible for the assertions contained in that letter, beyond my opinion about the quality of the rails referred to, made at Gospel Oak, every word of which I vouch for the truth of; and I must have something in the shape of argument produced, before I can agree with Mr. Davis about the statements made by the "Staffordshire Ironmaster." If Mr. Davis about the statements made by the "Staffordshire Ironmaster." If Mr. Daviswants proofs of the truth of some of the principal statements in the letter, respecting the deterioration in the quality and manufacture of the rails at the present day, he has only to refer to the very talented pamphlet on railways, by Capt. Huish, and he will find in those valuable and lucid statements the most convincing proofs of the truth of the "Staffordshire Ironmasters" assertions. If he wants further proofs than are therein contained, which I think he hardly will, I will undertake to give it on the lines of railways east, west, north, and south, for I have noticed them in all directions, and find that the rugged state of the rails from splitting, laminating, and crushing, give the clearest proof to my mind that, instead of their being made from the best material, they are made from the very worst, as stated by the "Staffordshire Ironmaster;" and I can assure Mr. Davis, that this is not only my own opinion, but the opinion of some of the most respectable practical ironmasters in this county.

this county.

I am sorry to differ in opinion from 'my friend Mr. Davis; but I will promise him one thing, the difference in opinion shall not destroy one particle of the long friendship subsisting between us—at least, as far as I am concerned; and as he has been so kind as to give his advice to me to make myself acquainted with what is going on in the world—a very wide sphere, certainly—I, in return, advise him to make himself acquainted at least with what is going on in the railway world, and then I am sure he will pause before he sends such another letter to appear in your Journal.

Wolverhampton, Dec. 5.

C. B. THORNEYCROFT.

P.S.—I beg to inform Mr. Davis, that I shall very shortly have a machine ready for testing the quality and durability of rails beyond all question of opinion; they will have the same wear in six days as on a line with 30 trains a day in 10 years, 12 days for 20 years, and 18 days for 30 years. This will give railway companies better information than all the opinions in the kingdom.

ON THE MANUFACTURE OF IRON RAILS.

TO MR. R. P. DAVIS, RHYMNEY IRON COMPANY.
SIR,—Having seen your letter to Mr. G. B. Thorneycroft, in the Minim Journal of last week, in which you pronounce the statements of my letter of the 28th July to be slanders, I have to assert in reply, that there is not one statement made in that letter which you, or any ironmaster in the one statement made in that setter which you, or any ironmaster in the kingdom, can successfully contradict. That its whole contents are incontestible truths I have the fullest evidence—evidence not only arising from my own practical acquaintance with iron-making, but also the present condition of the rails on nearly every line in the kingdom; and these, supported by the very able and talented report of Capt. Huish, all combining to prove that rails have been made, and are now being made, of the veriest rubbish which can take the name or form of iron; and mark! all pro-

ported by the very able and talented report of Capt. Huish, all combining to prove that rails have been made, and are now being made, of the veriest rubbish which can take the name or form of iron; and mark! all professing to be made from best iron.

In Capt. Huish's report, page 8, it is stated that no less than 180½ miles of new rails have been laid down since 1845. Again, at page 10, that a further quantity of 106½ miles will have to be relaid during the next three years; and at page 32 are the following remarks:—"In the case of some rails recently supplied by a house in Staffordshire, it has been found that bars, apparently of good texture and manufacture, have laminated to a considerable extent, after being down not more than three months; while bars supplied from the same neighbourhood (though not by the same house) have been found, at the end of 12 years' use, to be almost destitute of the tendency to laminate."

Now, why have not all the rails that have been laid down 12 years stood the same wear and tear as those referred to? Simply because the best material originally used has not been continued, nor the proper processes applied to make the best iron—I mean that kind of best iron from which the Messrs. Walkers, of Gospel Oak, made the rails for the Leeds and Selby line. Now, it is very evident that rails can be made to last 12 years, and also that rails can be made which will laminate in three months; the former, I presume, costing somewhere from 10s. to 20s. per ton more than best bars; the latter costing somewhere from 10s. to 20s. per ton more than best bars, and yet, forsooth, all of the very best iron. No doubt Mr. Davis is able to solve this iron problem on other grounds than my slanders, and that the rails he has referred to, as laid down on the London and North-Western Railway, bid fair to overturn all my statements, for they have stood all the tests to which they have been subjected, and are several pounds per ton cheaper than the rails recommended by Mr. Thornycroft. Would not Mr. Davis have

spread on almost every line in the kingdom.

Dec. 4.

A STAFFORDSHIRE IRONMASTER

CARBON AND IRON.

SIB,-Cinder is the general term applied to everything in the shape of waste or refuse about iron-works. In some recent letters, which you have done me the favour of inserting in the columns of your valuable Journal, where I have mentioned cinder, I have-alluded to that particular form, an alloy of iron, which is produced in the puddling-furnace. On my first directing attention to the manufacture of iron, the circumstance which appeared to me most unaccountable was the quantity of cinder formed in every operation, and this, by the sanction of the highest chemical authorities of the day, being all regarded as silicate of iron; while the pig-iron operated upon contained but a very small per centage of silica, and the finished bar nearly as much. In the experiment which Mr. Mitchell proposes making, to test the presence of cinder in bar-iron, he will ascertain the amount of oxygen. If my theory of the constitution of bar-iron is correct, there will be left in the iron minute particles of graphite. In this state, it is my opinion that carbon may by inadventure be mistaken for silica. Mr. Mitchell will perform a most important service by giving this the closest attention. I consider the preser ce of the peculiar cinder formed in the puddling-furnace (and which, notw that inding Mr. Mushet's total repudiation of the idea, I still regard as a carbo-oxide) to be an advantage in merchant bar-iron—that is, in iron intended to be wrought again into some other form; this alloy renders the iron more pliable at a moderate heat. I fully agree with Mr. Mushet in his remarks, that "little or nothing is really known why iron possesses this singular property of welding, and we waste or refuse about iron-works. In some recent letters, which you have into some other form; this alloy renders the iron more pliable at a moderate heat. I fully agree with Mr. Mushet in his remarks, that "little or nothing is really known why iron possesses this singular property of welding, and we want to know more of it;" but I must beg to differ from him in the opinion that it is a property of the iron itself. I cannot give up the idea that welding depends upon the joint action of oxygen and carbon. I have observed, sometimes, when a bloom of very pure iron and a bar of iron, used for a staff, after frequent heatings, would not adhere together, the workman has dipped the staff into small coal and applied it to the bloom; they immediately adhered together or welded. Perfectly pure iron possesses the power of cohesion in a most extraordinary degree, but not that of welding. I merely advance this as an opinion. The welding property, the absence of which is the grand cause of redshortness in iron, is communicated by an accidental admixture, and this I regard as a most important advantage where iron has to be re-manufactured—that is, worked into some other form. On the other hand, I consider the presence of cinder, or any alloy, a disadvantage, or rather very objectionable, in iron which has been wrought into a form for permanent use, such as sheets, boiler plates, railway bars, the tires and axles for railway carriage wheels, and many others, amongst which are the links of the chain cable to resist the raging of the elements." The fibres of bar-iron I regard as the pure metal, and for the above purposes, instead of having iron an aggregate of innumerable minute fibres, I would have each article to consist of one entire solid fibre, which would be the case if the simple pure metal had to be drawn out per

se; and this is the ultimate object I have in view; but the presence of an intermediate body preventing the cohesion of the entire mass of pure metal, it passes into distinct fibres.

Cinder is brittle when cold, and I consider that by a species of grinding the cinder in iron used for railway purposes is reduced to dust, and thus lamination is caused, and the fibres loosened. There is no state in which iron is so tough as that of the simple pure metal, and that such should always prove redshort, as Mr. Mushet observes, I look upon as a very strong case in favour of my theory. I do not say that refining is resorted to with the view of supplying the elements of cinder; I believe the object to be quite different, although the effect is what I state. I am aware that pig-iron has been for many years puddled, without being first refined; but I know that the puddlers used to want more wages for it, because it took more time and work than fine metal. I think I should have some difficulty in fusing oxide of iron, without an addition of some earthy matter or carbon. If the former I should certainly obtain glass; if the latter, what I term carbo-oxide.

"Wootz" refers to some experiments upon charcoal and coke iron. Unluckily I have not got his latter at hand. I do not think that iron is ever smelted with charcoal from the common ironstones. This is done with coke, so that coke iron is likely to contain the elements of glass, silica, alumina, lime, and oxide of iron; while charcoal iron, smelted from ores containing little or no earthy matter, would not yield glass, although it might contain carbo-oxide. In puddling pig-iron, it is now pretty generally the custom to throw a quantity of cinder into the furnace, which makes the pigs work as freely as refined metal. I have not time to follow Mr. Mushet minutely through his letter, but think I have ropied to the most essential points. I hope to have an opportunity of resuming the subject.—T. H. Leighton: Cum Amman, Dec. 4.

CARBON AND IRON.

Sir,—Mr. R. Mushet, in his remarks on the diamond-cutting process, proposed by Mr. Baggs, states that he differs with him respecting the nonvaporisation of the diamond, and other forms of carbon, in contact with malleable iron. He states that it is an undoubted fact, that soft iron, cemented in close vessels with pieces of charcoal, is gradually converted into steel, although no portion of it is actually in contact with the fragments of charcoal. This is strictly true; still it does not at all prove that any of the charcoal is actually converted into vapour, or true gaseous carbon, for the effect may be explained by the conversion of the carbon into carbonic oxide; for sufficient oxygen would always exist in the pores of the charcoal, and in the interstices left in filling either a crucible or the ordinary cementing cases, to commence the action, which would then continue indefinitely. The following experiment, by Le Play and Laurent, may be cited:—A porcelain tube was closed hermetically at one end; to the other was accurately fitted a cock, with a bent tube dipping into mercury. In the tube was placed two small porcelain trays—one containing peroxide of iron, the other charcoal. The tube was then exposed to a strong red heat for several hours, and the result was the decomposition of the oxide of iron, and its conversion into carburet. This change was effected thus:—The oxygen of the air in the tube was converted, at the expense of the carbon, into carbonic oxide; this, in its turn, was transformed into carbonic acid by the oxygen of the oxide of iron; this last gas again takes up carbon, to be reconverted into carbonic oxide. The gaseous contents of the tube are increased by the assumption of the oxygen of the oxide of iron to form gaseous compounds of carbon. During this change bubbles of gas are expelled, and collected over the mercury into which the tube dips. During the first part of the experiment the reduction of the oxide of iron to form gaseous compounds of carbon. During this change bubbles of gas are expelled, and collected over the mercury into which the tube dips. During the first part of the experiment proposed by the metallic iron, ation of the diamond, and other forms of carbon, in contact with malleable iron. He states that it is an undoubted fact, that soft iron, ce-

ing heat for a considerable time in a close crucible, loses its carbon by degrees, and becomes first steel, and finally soft iron. It is, I think, natural this should be the result, and yet the carbon need not be actually vapourised.

The following attempt at explanation is based on some results I have very often obtained in experimenting on Berthier's method of determining the calorific power of fucls by fusion with oxide of lead, and in the first stage of some kinds of silver assay. In an ordinary furnace, the crucible containing the material to be fused, or otherwise operated on, is placed within about 2 inches of the bottom—that is, 2 inches above the fire-bars. Now, the oxygen of the air supplied to the furnace is at the lower part, and about this height, wholly converted into carbonic acid; above this, and extending to the top of the fuel, this carbonic acid is converted into carbonic oxide; so, in fact, an ordinary wind farnace may be compared to the blowpipe flame—that is, it possesses two distinct portions, the one oxidising and the other reducing; so much for the furnace. The crucibles in ordinary use—that is either Cornish or Hessian—are more or leas porous, more especially to gases. This was first of all proved in relation to earthenware tubes of similar material by Dr. Priestley, who found that, during the transmission of gases through earthen ware tubes surrounded by burning fuel, the gas escaped outwards into the fire; while at the same time the gases of the fire penetrated into the tube, although the gas within was in a compressed state. All that has just been stated in respect to the two distinct conditions of combustion in the furnace, and the passage of the gases of the fire penetrated into the tube, although the gas within was in a compressed state. All that has just been stated in respect to the two distinct conditions of combustion in the furnace, and the passage of the gases of the fire penetrated into the tube, although the gas within was in a compressed state. All that has just been sta

bonic acid enters to undergo the same change, and thus the whole of the carbon may be removed.

Again, Mr. R. Mushet states that iron in the state of fusion loses its affinity for carbon, and will give out, but not absorb, the latter. This is true to a certain extent—that is to say, that iron containing carbon when in fusion, loses that carbon when fused in an oxidating atmosphere, but not when fused in a reducing atmosphere. Mr. Robert Mushet also says the affinity of soft iron with the vapour of carbon appears continuately in the court of the carbon appears continuately in the carb says the affinity of soft iron with the vapour of carbon appears continually to augment in proportion as the temperature is raised, until the point of fusion is attained when all mutual affinity ceases. How does Mr. Mushet reconcile this statement with the fact, that if soft iron be melted, then carbon added, the cracible covered, and the heat kept up, that the soft iron will be converted into grey iron by absorption of carbon? This is a point Mr. Mushet has himself often argued. Mr. David Mushet's remarks on Mr. Leighton's cinder theory, I take to be conclusive, pending the course of experiment.—John Mitchell. Dec. 3.

CHEMICAL ACTION ON IRON-VENTILATION.

CHEMICAL ACTION ON IRON—VENTILATION.

Sir.,—It is well known that hot iron, rolled in pounded prusiate of potash, and then plunged in water, becomes coated with a very hard surface. I should be glad to know, from some of your talented correspondents, the chemical action that takes place during the operation; also the reason why roasting the tap cinder of the puddling-furnace enables it to withstand the heat, which otherwise it would not, when applied to line the furnaces in which the iron is puddled?

An exceedingly simple and effective ventilating apparatus for collieries may be contrived in this way:—Make a wooden square box any convenient length and size, and within this let there be fitted a square wooden piston, lined at the edges with leather—a wooden rod to be fixed through the piston, and to work through the ends of the box, which must be closed

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up, except a hole at each end, for the escape of the foul air, over which is to hang a common flap-valve. By the side of this box a compartment is to be made, communicating by valves with the top and bottom ends of the wooden cylinder, or air-pump—this compartment to be connected with the upcast shaft, or it rumpeting, and the pump worked from the engine beam, fly-wheel shaft, or in any convenient way. It would take very little power, as the air would not be wire-drawn, and, consequently, without pressure on the piston; and I think an air-pump of this description would wentilate some of the largest collieries at a cost of but a few pounds, and, perhaps, prevent those fearful and destructive explosions so fatal to the workmen, when, unfortunately, from accident or carelessness they occur. A moderate-sized pump, made in this way, would draw from the mine 30 to 50 tons of foul air per day, and a little ingenuity would soon contrive the best way of making and putting it to work.

Ettingshall, near Bilston, Dec. 3.

S. W. Smith.

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Ettingskall, near Bilston, Dec. 3.

MINING INVESTMENTS—HOME AND FOREIGN.

SIG.—"A Lover of Fair Play," in your Journal of the 24th Nov, having made some remarks on my letter of the 3d, and having mistaken my object in alluding to foreign mines, which was not to single out any particular mine, with a view of deprecisting its real value, but merely to make a comparison with the home mines, and to show that, if the enormous sums expended in foreign mines had been judiciously applied to the development of the mineral resources of the United Kingdom, the results would have been very different. I have no motive, or object, in selecting the Alten Mines, nor the least wish, or intention, to depreciate their value, any more than the other foreign mines which I selected from the share list in your Journal. If "the value of a thing is what it will bring," the Alten Mines, agreeably to the share list just quoted, is worth about 12,500%; but if the share list is incorrect, it is no fault of mine. The plant of a mine, however, may be of great value while used for the purpose for which it was required, and may have cost a very large sum of money, but the same, when a mine is abandoned, does not in general realise one-half of its first cost, nor would a turnpulse-road, ten mise in length, what \(\hat{\text{hot}} \), or second hand shafts, realise a large sum, even if offered for sale in the most play days of mine jobbing. "A Lover of Fair Play" may be interested in the Alten Mines, but I am not. I contend that British capital may be more profitably employed at home than abroad; and if parties are foolish enough to squander millions in foreign mines, while they might reap an abundant harvest at home, verify they have their reward. But let any person take the trouble to look at the share list of foreign mines as would have been as much British capital win to descrete the decrease of the mineral relation to the stre

THE DIAMOND.

THE DIAMOND.

Sin,—My letter upon the subject of the diamond, which appeared in the Mining Journal of Nov. 24, was written partly with a view to suggest a more easy method for the possible reduction of the stone, and partly with a hope of eliciting the observations and opinions of others upon the physical characters of one of the most interesting substances in the whole category of chemical elements. The real constitution of carbon with reference to caloric, and the particular degree of heat required for its liquefaction or vaporisation, are circumstances respecting which it must be confessed very little is known. That iron is capable of being converted into steel by means of the diamond is a fact which appears to be generally credited, but the method whereby that conversion is effected remains a matter of dispute. With regard to the opinions entertained upon this subject by two of your correspondents, I can truly say that the name of Mushet is so closely and so honourably identified with one of the most important manufactures of this kingdom—the manufacture of iron and steel—that if the question thus arising out of Morveau's experiment were strictly of a practical character, I should at once feel that any theoretical ideas which I might entertain relative to the matter would weigh as nothing when placed in juxta-position with the experience of either of the gentlemen now alluded to; but the case is otherwise.

The question itself is not marked by any great practical tendency, though it is certainly replete with philosophical interest. These precious gems will never be employed as a substitute for common charcoal in the manufacture of steel. Of this we are quite sure—unless, indeed, the rich valley of "Es-Sindibád of the Sea" should chance to be re-discovered, and diamonds should become even more plentiful than Californian gold. But, after all, the realisation of such a supposition is not impossible, for every day a experience brings stronger and more demonstrative proof that "truth is stranger than fiction," a

realities which science has achieved within the last half century.

We must, however, regard the matter now before us under its immediate aspect only, for it would be utterly nesless to base any argument upon the mere possibilities of the future. All shings considered, then, it is my firm opinion that the diamond is not volatilised, per se, under any circumstances of ordinary occurrence; and I ground this opinion partly upon the experiments of Smithson Tennant, and others, and partly upon analogical considerations, arising out of the perusal of Dr. Faraday's paper "On the Existence of a Limit to Vaporization" (Phil. Trans., 1826).

Whether carbon assumes the gaseous form by entering into chemical union with oxygen or hydrogen, previous to its combination with the iron, is another consideration, and a very likely one, if either of these gases should happen to be present. It occurred to me that this might be the case, immediately after I had written my last letter. The idea did not originate, however, from any theory recently, advanced in your columns, as alluded to by Mr. David Mashet—for such had, unfortunately, escaped my notice. It arose entirely out of the old experiment of Citizen Clouet, the particulars of which were communicated to the National Institute of France in July, 1798. In that experiment a mixture of the filings of

farriers' nails and pulverised white marble was submitted to the action of an intense heat, and a bar of steel was obtained. It is here obvious that the nascent carbonic acid, which was oliminated from the marble, must have been decomposed by the iron, the carbon absorbed, and the oxygen liberated. But though this experiment proves that steel may be produced by the action of soft iron upon carbonic acid gras, yet it does not prove that the same offect may not take place, when the two combining observations are not by present ma solid form. The suggestions of the Messrx Mushes, for performing an accurate regettion of Morreau' experiment, are highly interesting, and, if acted upon, they are well calculated to set the disputed question at reas. For the present, we must be content to rest upon conjecture. Mr. R. Mushet observes, in one part of his letter—"Though the diamond may not be vaporised when exposed per set to an intense heat, all we may imagine that, when enclosed, and in content with a some of the atoms of matter is accompanied by the development of this biquitous and remarkable agency, but whether in the instance before us in operators in promoting volatilization, is a matter which can only be determined by experiment.

There is one other remark of the same gentleman to which I wish treath his attention. It is this—"The effect of comenting a piece of charcoal, in contact with a smooth plate of soft iron, would be to create a nucleus of steel-grained iron in the surface of the plate where the charcoal rested, and an elevation of surface from the erystalline arrangement of the particles constituting this nucleus, which would leave a corresponding depression in the touching plane of charcoal or earbon. Without in any way disputing the accuracy of this statement, I may observe that I find a great difficulty in reconciling it with the phenomena observable in the reactionization of steel plates, according to Mr. Perkin's system of multiplying engayings, where it is impossible to detect the slightest alternatio

THE DIAMOND.

THE DIAMOND.

Sir,—Your intelligent correspondent, Mr. Baggs, has recorded his scepticism as to the vaporisation of the diamond in high temperatures, albeit the counter-conclusion of Sir Humphry Davy. I quite agree with him, that the transference of the material of the diamond to the negative pole of the voltaic circle, in Dr. Hare's experiment, is an equivocal evidence. Still I am loth to surrender what I venture to consider a legitimate inference, as deduced from more recent experiments on the diamond, to the individual one of M. Guyton de Morveau.

The very ingenious practical value of Mr. Baggs's proposed auxiliary to the lapidary, in reference to the cutting and polishing of the diamond, as grounded on the experiments of Clouet and Sir George Mackenzie, and I may also add that of Mr. Children, solicits, however, our more immediate attention. Mr. Baggs's recommendation hinges on the conversion of soft iron into steel by its combination with the material of the diamond. I readily grant that his view is at once novel and ingenious; but I do not see, I must confess, what advantage could be derived from its adoption. Of course, that portion of the diamond expended in the conversion of soft iron into steel would be entirely lost. No doubt, the cutting and polishing of the diamond is both an expensive and a tedious precess; but it must not be forgotten, that while the cutting of the Pitt, or Regent, diamond chips sold for more than 7000l.! I may again refer to some of my own experiments on the diamond.

J. Murray.

Portland-place, Hull, Nov. 28.

Mr. ALFRED SMEE'S SPECULATIONS.

MR. ALFRED SMEE'S SPECULATIONS.

Mr. ALFRED SMEE'S SPECULATIONS.

Sir,—You have given us, in a recent Number of the Mining Journal, a brief exposition of the psychological speculations of Mr. Alfred Smee. All I hope is that he may not get beyond his depth, or lose his way in an unknown province, beyond the legitimate ken of finite mortality. I must honestly confess, I either do not understand his lucubrations, or, notwithstanding his salvo, cannot but conclude he has adventured sufficiently far already. The world of mind and the region of spirits lie beyond the rule and compass of physics. That worthy individual, Mr. Crosse, unhappily committed himself in the matter of insect creations, and so may this ingenious gentleman, in his ardour and imaginings, wander from the path of legitimate inquiry. It may be said I am too sensitive and suspicious, and it may be so; but I have not yet forgotten Mr. Smee's eccentric speculations touching the potato disease, eliminated in a goodly volume—repudiated, however, by every individual observant of the phenomena. Attentive as I have been to the various phases of the potato disease for years, I cannot conceive how Mr. Smee's peculiar view could have originated.

This cavent is not altogether uncalled for. Mr. Grissenthwaite once opined that the time might come when the chemist would be able to manufacture pine apples, peaches, &c., in his laboratory as good and fair as tree and season could produce! and even Baron Liebig, that eminent and distinguished man, in a moment of abstraction, hastily recorded that, by and-bye, organisms might be formed in the laboratory—so Mr. Smee, though an excellent electrician, may yet be in error.

J. Murray.

THE ANEROID BAROMETER.

THE ANEROID BAROMETER.

SIR,—The indications of the aneroid have proved most satisfactory. I say this advisedly, after an extensive series of observations, made during a period of many months, by the elegant aneroid supplied to me by Mr. Dent, the eminent chronometer maker, to whom the public are under many obligations for its introduction. In sensibility it far outwits the indications of the common barometer; and on the sea coast, in reference to its presage of the coming storm, the aneroid barometer must prove an invaluable boon.—J. Murray: Portland-place, Hull, Nov. 28.

GLASS VENTILATORS.

GLASS VENTILATORS.

SIR,—I am inclined to think very favourably of the glass ventilators for windows, the explanation of which was introduced in your penultimate Number. I advert now to the invention of slits in the glass pane. When in London, some time ago, I saw their operation tested, and, as far as I could then hurriedly judge, it seemed to be entirely satisfactory. I forget the address at this moment; but I shall hope to be able to prove it more decidedly by adopting it to a glass frame, and shall then be able to speak more definitely.—J. MURRAY: Portland-place, Hull, Nov. 28.

PEAT CHARCOAL.

Sin,—Mr. Jasper Rogers's peat charcoal has been introduced to the public (and so considered in the Mining Journal) as a disinfectant. I confess I cannot see on what sound principle it can be so regarded. It has even been said fresh roasted coffee possesses this character. I have elsewhere considered the relations of peat charcoal to agriculture.

That charcoal, especially when recently prepared, possesses antiseptic properties there can be no doubt, and its functions in this case are easily understood. Its vast absorbent capacity in reference to gaseous media, for instance, hydrochloric gas—above all, that sceptic poison, sulphuretted hydrogen—explains it at once; but as it is unchanged thereby, and charcoal must evolve it again on an increment of temperature, it is clear that charcoal is not legitimately entitled to the epithet disinfectant; by which I understand those agencies alone which act by decomposing the noxious miasm, or sceptic poison, and thus destroy them. Chlorine and nitrous acid do this. I would call things by their right names.

J. MURRAY. do this. I would call things by their right names.

Portland-place, Hull, Nov. 28. J. MURRAY

PEAT CHARCOAL FOR THE MANUFACTURE OF IRON.

"Nothing new under the Sun."

Sir,—In your last Number appears a statement as to the patent for the use of peat charcoal in the smelling and pickling of iron, taken out 80 years since. Allow me to say, I believe the attempt was made even at an earlier date, but it failed then and since, because the charcoal made from the usual peat of commerce is too friable to bear the blast of the furnace. My papeat of commerce is too friable to bear the blast of the furnace. My patent is for the preparation of peat in a peculiar manner, the fuel from which being, in fact, as hard as coal before being carbonised, although without any foreign substance; hence the charcoal of the peat is as dense as coal charcoal, whilst it is entirely free from sulphur and pyroligneous acid; therefore, in fact, a more desirable fuel for the manufacture of iron than even wood charcoal. This is part of the "novelty" of my patent. I claim no credit as to use of peat charcoal in the manufacture of iron; I only claim the mode of making peat charcoal fit for that purpose, and infinitely preferable to any other fuel.

JASPER W. ROGERS.

Sanitary Engineering Offices, St. James's-street, Dec. 7.

SAFETY FUSE.

Sire,—The sundry letters on the above subject, which have recently appeared in your and other journals, are evidently the productions of competing manufacturers of safety fuse, and, therefore, the praise covertly bestowed by each on his own, and the abuse lavished on his rival's manufacture, are hardly worth notice. But when assertions are made, reflecting on the want of due precaution on the part of managers of mines in the selection of the proper qualities of fuse for the use of the miners under them, and also that a great increase of accidents has occurred since the manufacture of safety fuse has become more general, I desire to give the most unqualified contradiction to such assertions; and I am prepared to prove that, for many months past, not a single accident has happened within the great range of mines situated in the parishes of Gwennap, Redruth, Illogan, and Camborne, resulting from the use of inferior safety fuse. Some accidents have occurred in blasting; but, in every instance, it has been proved to have arisen from carelessness in the operation of tamping; and even accidents of this nature, so far from having increased, have, happily, been of much rarer occurrence within the last 12 months, than within the same time at any former period.

My recommendation to each manufacturer of safety fuse is, to confine his attention to making as good an article, and at as cheap a rate, as possible. The most successful in these two points will be sure to command a good trade.—Mine Agent: Camborne, Dec. 5.

IMPROVEMENTS IN MINING-WALKER'S COAL RIDDLE.

In the Mining Journal of 23d January, 1847, we inserted several testinonials from colliery proprietors of the advantages obtained by the use of Mr. Walker's patent riddle, for separating the slack from the round coal on its arriving at the pit-brow; and in the Number for the 6th February following a letter appeared, from a correspondent in the neighbourhood of Pendleton, near Manchester, descriptive of its superiority over the old method of working sieves by hand labour. Although these patent cylindrical riddles are now in pretty general use in Lancashise, it is singular that in the Durham and Northumberland collieries, the use of the old inclined and flat riddle is still persevered in; and as we think it a great improve-

cal riddles are now in pretty general use in Lancashise, it is singular that in the Durham and Northumberland collicries, the use of the old inclined and flat riddle is still persevered in; and as we think it a great improvement, and that in calling the attention of coal-owners to it we are only rousing them to their own interest, we make no apology for giving some further description of its operation. Instead of riddling the slack from the coal at the bottom of the pit, as generally practised in Lancashire, by the use of this machine, which is set in motion by the steam-engine, the coal and slack is sent out of the pit unriddled, at a considerable saving in wages, lessening the labour of the collier and drawer, and, what is of the most importance, insures the whole seam being sent up, and a larger quantity of best coals saved. The machine insures the perfect separation of the slack from the coal, and, by its revolving action, disengages all dust, leaving the coal clean and bright; and, during the operation, the slack is all loaded without further expense.

In the case of coals for house fires, which require much careful screening, the machine effects the object most completely; and as a proof that its wear and tear are almost nominal, we may state that at one colliery two have been in use upwards of four years, and are said to be as good as they were the first day shey were erected. It is capable of cleaning from 400 to 500 tons per day without taking more than half a horse power from the engine; and, taking all circumstances into account, it is estimated that the cost of erecting and working the patent riddle is actually less than that of the common riddle, particularly when the wages of the riddlers are considered. Among the testimonials is one from Mr. Forster, of Standish of Streening that I have had the opportunity of seeing in the coal districts of Northumberland, Durham, Yorkshire, and Lancashire. I find there are many advantages to be derived from the adoption of the cylindrical riddle over those in ge

LONDON IN 1543.*— This very curions and instructive work has recently (for the first time) been engraved from the drawing made by Antony Van der Wyngrerde, a Flemish draughtsman, employed by Philip II. of Spain. It was purchased by the late Mr. Sutherland, and on the decease of that gentleman it was transferred, with the rest of his collection, to the Bodleian Library, at Oxford, where it remains. Mr. Whittock has done good service by making this vivid and faithful copy, and it will be hailed with delight by all who take any interest in the history of the British metropolis. Having been taken in the 34th year of the reign of Henry VIII., it is full half a century earlier than Hollar's map, and it includes delineations of many buildings which had perished when Hollar's plan was undertaken. Many of the buildings here copied from Van der Wyngerede's sketch have yielded fresh information to many who had familiarised themselves with every previous illustration of early London architecture; and those who have everything to learn on the subject will be both pleased and instructed by seeing for the lirst time St. Pauls, the City well and gates, St. John's Hospital, Baynard Castle, Suffolk House, the Fleet River, Holborn Bridge, &c., as they existed in the early part of the 16th century.

* Published by Whittock and Ryde, Richard-street, Ishington.

A CONTRIBUTION TO SCIENCE.—A letter has been addressed to the council

A CONTRIBUTION TO SCIENCE.—A letter has been addressed to the council by Lord John Russell, affering to place at the disposal of the Royal Society, for cientific purposes, this year 1000L, and probably the same amount in successive years. It is quite unnecessary for us to say that the offer has been accepted. Government subsidies to Science and her sisters are not sufficiently numerous to make an announcement like this uninteresting to our readers. The noney given is not the sole good; the measure marks progress, while it aids it.

Brw Patents.

[From the Mechan ce' Magazine of this day.]

D. SMITE, New York, America, lead manufacturer: Certain new and useful improvements, in the means of manufacturing certain articles in lead. The patentee proposes to employ a tower of 90 inches in diameter, and 50 feet high, shaped at top like a funnel, and at hotion like a truncated come. The pouring result is to be made with holes in the bottom of the truncated come, — The pouring result is to be made with holes in the bottom of the truncated come, and resist on a reservoir of water. The annular pouring vessel is to be also perforated with holes at top, through which an artificial carrent of air is to be forced up the fower by a fan or other blowing machine. Supposing the current of air is to be forced up the fower by a fan or other blowing machine. Supposing the current of air is to be forced up the fower by a fan or other blowing machine. Supposing the current of air is to be forced up the fower by a fan or other blowing machine. Supposing the current of air to as it would in failing through a tower 150 feet high, of the ordinary construction, and probably more, as the air would be nearly skegnant. The metal fulls through a shoot to conduct the metal to a suitable receptacle. Or, the artificial current may be created by exhausting from the top of the tower, and allowing the air to flow in at bottom, in which case the hollow annular vessel will be dispensed with.

Claims.—The application of an ascending artificial current of air to a descending current of metal in the manufacture of leaden shot. SPECIFICATIONS ENROLLED DURING THE PAST WERK.

Claims.—The application of an ascending artificial current of air to a descending current of metal in the mamfacture of leaden shot.

H. Tawwatt, Sunbury, Middlesex; and T. R. Caamton, C.E., Buckingham-street Westminster: Improvements in locomotive, marine, and stationary engines; and also in the connecting apparatus of marine engines. Mears, Trawhitt and Crampton's improvements in locomotive steam-engines are as follows:—1. The axis of the driving wheels is placed behind the fire box, which, as well as the water bank; is supported on the same frame with the tabular boiler. The water tank is placed underneath the boiler, while, to make room for it, the eccentries, air pumps, &c., are placed outside the frame.—2. The boiler is supported, or caused to articulate on three points; one being the centre of a transverse spring, the ends of which bear upon the axis boxes of the driving wheels, and the other two the centres of two longitudinal springs, placed on either side of the boiler, the two ends of each of which rest upon the axis boxes of the driving wheels, and the other two the centres of two longitudinal springs, placed on either side of the boiler, the two ends of each of which rest upon the axis boxes of the driving wheels, and the other two the centres of two longitudinal springs, placed on either side of the axis of the driving wheels laplaced under the fore-end of the truths of the driving wheels laplaced under a form of the two the contral of the driving wheels is placed to the contral to a locomotive engine which has the axis of the driving wheels placed behind the fire-box.—6. Tapping a male screw near the crank-end of the padde or screw-shaft in marine engines, and thing there are so clar with an interior screw. The crank is alipped over the extreme and smooth part of the shaft, which is prevented from slipping out by means of a collar fitted thereto. A washer is placed between the two opposite surfaces of the crank-end and screw collar, which are brought close together and kept in position by a pin p

—4. The mode of counterbalancing unequal motion in marine steam-engines.

T. Lawas, gentleman, City-road: Improvements in generating steam, and in the means of obtaining and applying motive power. Mr. Lawas improvements in generating steam for motive power by a pump from a reservoir into a chamber, which forms the two sides and back of the furnace, whence it passes through a series of horisontal pipes placed in the flues, formed by brick partitions, over which the products of combustion pass and repass prior to escaping up the chimney; the steam generated in these horizontal pipes ascends into a series of vertical pipes, and passes thence into horizontal steam tubes, which serve the purpose of a steam-cheat, one of which is provided with a safety valve. To generate steam for cooking, boiling, &c., it is proposed to place two reservoirs of water on the hobb of an ordinary kitchen range, and to connect them by means of pipes, which answer the purpose of bars in the front and bottom of the stove. The improvements in "obtaining and applying motive power "embrace—1. A modification of a system of atmospheric propulsion, formerly patented by Mr. Lawes, and which consists in the substitution of a series of short tubes for one entire tube, reaching from end to end of the line. One end only of each length of tube is closed, and a partial vacuum is created therein by drawing a piston from the closed to the open end.—2. A method of applying motive power, placed in a boat, or vessel floating in a canal, to a carriage with eog-wheels gearing into racks fixed by the sides of two rails on either bank of the canal, by means of one dram on the driving axle of the carriage, and another in the bow of the boat. And—3. A mode of applying motive power to the tilling of land, by dragging a plough or harrow backwards and forwards over the surface of the soil.

W. Gooss, of Birmingham, manufactures: Certain improved machinests.

will.

W. Goose, of Birmingham, manufacturer: Certain improved machinery for manufacturing nails. The object of the present invention is to grip the partially formed nail on the edges instead of the ends, as has hitherto been usual; and this is proposed to be effected by adapting to the ordinary nail-cutting machine, an apparatus which consists of a revolving vertical spinile with an arm curved upwards, which carries at the free or top end a bent horizontal bar of steel, termed in the specification a "spring nipper." Whose the partially formed nail is separated from the iron plate, one of its ends is caught by the extremity of the spring nipper at a point beneath the horizontal right line, it confination of the end of the fixed die, and pressed against this latter, whereby the partially formed nail will be caused to make a portion of a revolution, and to assume a vertical position instead of the usual horizontal one, when the moreable die is to be brought into action. Claim.—The employment and construction of a syning nipper in addition to nail-making machines, for causing the partially formed nail to make part of a revolution.

LIST OF PATENTS GRANTED DURING THE PAST WEEK.

W. Crum, of Thornilebank, Renfrew, Scotland, for certain improve ing of woven fabrics.
C. Montgomerr, Esq., of the Army and N.

W. Crum, of Thornliebank, Renfrew, Scotland, for certain improvements in the finishing of woven fabrics.

C. Montgomery, Esq., of the Army and Navy Club, St. James's-aquare, Middlesex, for improvements in brewing, distilling, and rectifying.

W. Eccles, the older. W. Eccles, the younger, and H. Eccles, of Biackburn, Laneashire, cotton spinners, for certain improvements in machinery or apparatus for proparing, spinning, and weaving cotton and other fibrous substances.

J. Paradis, of Lyons, France, merclant, for improvements in the manufacture of elastic mattresses, cushions, and paddings; part of which improvements are applicable to other purposes where sudden or continuous pressure is required to be sustained or transmitted. (Being a commulcation.)

G. Buchanan, of Edinburgh, civil engineer, for improvements in cocks, valves, or stoppers, and in the use of ffexible substances for regulating or stopping the passage of fluids, and also in making joints of tubes and pipes or other vessels.

Baron James Ulrie Vancier de Strubing, of Margaret-street, Cavendish-square, Middlesex, for improvements in the manufacture of axietre-boxes for carriages, and of the bearings of the axies of railways, and in the making of an alloy of metal suitable for such and like purposes. rpe, of Leeds, York, manufacturer, for improvements in wheels of loco

Orive carriages.

P. Fairbairn, of Leeds, York, machinist, and J. Hetherington, of Manchester, for cerin improvements in machinery for preparing and spinning cotton, flax, and other

tances.

d Birmingham, Warwick, engineer, for improvements in railway carriages,
buffer and draw springs, and hinges for railway carriages and other doors.

of Merton Abbey, Surrey, machinist, for improvements in printing calico

DESIGNS FOR ARTICLES OF UTILITY REGISTERED.

W. Burgess, Blackfriar-road, guita percha hose joints.
F. Klamm, York-street, Commercial-road East, rotary heel tip.
W. Murray, University-street, compensating ball lever.
W. Broughton, South-street, Finsbury-market, ne plus ultra stove.
R. Bell, Basing-lane, metallic fusee box.
T. Curry, Bristol, configuration and arrangements of a steam-boiler.
S. Whitfield, Birmingham, window cornice and cornice pole.
G. Chance, and J. Bird, Kingsainford, furnace grate.
J. Cocker, Bolton, brush.—Mechanics' Mogazine.

ACCIDENTS.

Wednesbury.—Joseph Grew was killed while working in one of Messrs. Bagnall's pits at Hill Top, by a quantity of coals falling upon him.

Blackburn.—An accident of a fatal nature occurred in a coalpit belonging to Thor Stmpson, Esq., in Osetwistle. The unfortunate man was working in the pit when roof fell in, and a fellow workman, who was near the spot, had a narrow seeape; seased was much hurt in the back, and when extricated was dead. The roof was go and there did not appear to be blame attached to any one.

and there did not appear to be blame attached to any one.

Wolverhampton.—As two men were occupied at the Crame Foundry, Horsley-fields, in putting into an oven a "bealing pot," used for the purpose of making tin pliable, the foot of one of them caught against a plate in the ground, when he fell with the pot upon him, the side of which struck his right leg, producing two bunctured wounds, and fracturing two bones. The weight of the pot was nearly 2 cwts.

Consig.—D. Farren was seriously injured by a fall of roof, while employed in Mr. W.

H. Whitehouse's pit, filling a waggon with dirt and stone.

Wigan.—As Aaren Jolly was hooking on a skip at the bottom of a pit, belonging to Messrs. Ryland, one of the hooks caught the bottom of his trowsers, and the skip began to ascend; he instantaneously passed his arra round the guide rod, and was thus drawn up 600 feet, when his head coming in contact with a projection, it made him let go his hold, and he was drawn up the remaining 120 feet with his head hanging down. He hung over this abyes for some seconds, the men at surface being completely paralysed at the sight. At length he was extricated, with a slight injury to the arm from friction against the guide rod.

against the guide rod.

— An accident of a serious nature occured at the pit belonging to Henry Woods, Esq.. Woodhouses, on Tuesday last. The mon went to their work at aix o'clock, and about twenty of them deceended the pit; about an hour afterwards an explosion of fire-damp took place, when the men, in great alarm, moved to the eye of the pit; they got into the cage, and were ascending, when a loud ery was heard, and it was ascertained that the head of a boy, named Howarth, had been severed from his body; his bedy was afterwards found below, with the lettieg and right arm severed and lying at a distance. He must have been thus mutilated by being crushed between the up and down cages when they met. He had only been down the pit once before, and the accident may be attributed to his inexperience. Others were slightly injured in their haste to get into the cage, and two or three suntained severe burns from the explosion.—[Mr. Rogerson, the coroner for the district, refused to admit the reporter of the Liverpool Mercury, on the ground that he was the author of a peragraph which appeared in a previous number of that Journal, offensive to his coronership, and, among other obnoxious expressions, he called him a d——d rascal. Is this coroner in the habit of allowing his worst passions thus to interfere with the selministration of public justice, or had he been indulging a little more than usual on this occasion? A vertilet of "Accidental death." was returned.]

RON, HARDWARE, AND METAL TRADES' PENSION
SOCIETY.—The EIGHTH ELECTION of PENSIONERS will take piace in MAY,
The candidates must be descripted and necessary accounts as a constant account.

1. The candidate must be deserving and necessitions persons, occupying, or having appled, the attain of Master, Travellor, Clerk, Wardonaumen, Foreman, or Apprenantally, and the Widows of such persons.
In any irranch of the Iron, Hardware, or Metal Trades, in any part of Great Britain, the Widows of such persons.
Frinted forms of application may be had (by parties recommended by two subscribers) he undersigned, to whom they are to be returned, filled up with the required partiars, on or before the 4th of February next, after which day no application relating to election can be received.
It the Seventh Election, held at the London Tavern, on the 26th November last, the owing were elected to pensions of 20 guineas each per annum:

g vero elected to pensions of regimess each per similar.

George Austin, of London, by. 3441 votes.

John Large, of Birmingham, by 1723

John Flotcher, of Birmingham, by 1899

William Dods, of Westminster, by 888

Sarah Ann Smith, of Southwark, by 1013

Mary Heath, of Chebes, by 515

Total number of pensioners on the books, 30.

67, Upper Thames-street, London, Dec. 5, 1849. THOMAS HAWKINS, Hon. Sec. SEA, FIRE, LIFE ASSURANCE OFFICE, CONNECTING THE MINING INTERESTS OF ENGLAND AND WALES.

(ESTABLISHED SY ACT OF PARLIAMENT.)

31, CORNHILL, LONDON.

Capital £100,000, in shares of 30s, each, to be paid is full on allotment, bearing a guaranteed interest of 5 per cent. in perpetuity (trespective of further dividends) upon the paid-up capital.

Application for shares to be addiessed to the Directors, at the offices of the Society.

Marine, fire, and life assurances granted on the most liberal terms.

Immediate and deferred annuities granted on terms especially advantageous for investment of capital.

By order, AUG. COLLINGRIDGE, Managing Director.

SPECIMENS OF THE RATES OF PREMIUM FOR ASSURANCE OF £100.
 Age.
 With Profits.
 Age.
 Without Profits.

 90
 21 19 3
 20
 £1 14 6

 30
 2 11 3
 30
 2 5 1

 40
 3 8 3
 40
 3 0 2

*• WANTED, AGENTS and MEDICAL REFEREES for the PRINCIPAL TOWNS in the KINGDOM.
COUNTY SURVEYORS ALSO REQUIRED.

AGENTS WANTED IN DEVON, CORNWALL, AND NORTH AND SOUTH WALES SCOTTISH AMICABLE MUTUAL LIFE ASSURANCE SOCIETY.—ESTABLISHED 1826.

LONDON OFFICES—No. 43, LOMBARD-STREET.

THE MOST NOBLE THE MARQUIS OF DALHOUSIE.

TABLE-Illustrating Accumulation of Additions on £1000 Policy on Society's Plan :-
 At 2 per cent.
 20.
 27.
 34.
 41.

 Years.
 per ann.
 20.
 27.
 34.
 41.

 6.
 £1120 0 0 ... £145 5 0 ... £167 8 4 ... £196 5 10... £235 19 2
 213 ... 1276 16 0 ... 290 10 0 ... 334 15 8 ... 392 11 8 ... 471 18 4
 27 ... 1659 6 7 ... 581 0 0 ... 669 13 4 ... 785 3 4 ... 943 16 8

 55
 ... 2802 10 10 ... 1162 0 0 ...
 ... 168 13 4 ... 785 3 4 ... 943 16 8

New entrants admitted to every advantage. Immediate, deferred, and survivorship annuities granted. Every facility afforded to assurers.

THE WHOLE PROFITS DIVIDED AMONG THE ASSURED.

Manager—WILLIAM SPENS. Resident Secretary in London—J. E. C. KOCH

Length. Present ac- Price Div. Traffic Returns

Miniso in the Forest of Dean-Injunction.—On Thursday last, in the Vice-Chancellor's Court, a case came on for hearing, in which one, Matthews, was plaintiff, and the Earl of Carlisle, as gaveller of the Forest of Dean, defendant. It was a motion to dissolve an injunction obtained in October, to restrain the earl from granting a gale of an iron mine in the Forest of a person named Nehemiah Marfell. Some time since the latter obtained one gale, and he had given the usual notice that he should require another; and, on the 1st of October last the plaintiff, who said he had a previous allotment of that particular gale, obtained an injunction, preventing the earl from granting it to Marfell. The arguments in favour of the injunction were, that the application was not written by Marfell as the Act requires, and that the gale was unlawfully enclosed. On the other hand it was contended that Marfell's signature was sufficient, and that the enclosure was perfectly legal. The Vice-Chancellor, under all the circumstances, particularly as the gavellers themselves made no application, refused the motion, thus continuing the injunction.

RAILWAY TRAFFIC RETURNS.

Names of Railways.

- Andrew Co. Will approve	1849	1548	tuni cost.	p. share	1848	1849	1848
Aberdeen	87	16	1,000,547	112	-	£ 767	£ 520
Belfust and Ballymena	374	374	514,968	194	54	439	367
Birkenhead, Lancashire, & Chesh.	19	15	1,088,804	37	5†	377	661
Bolton, Blackburn, & West Yorksh.	14	-	786,384	6. 2	-	757	251
Bristol and Exeter	854	75	2,660,490	524 54	-	3204	-
Caledonian	160	141	5,149.320	114	3	6054	4077
Chester and Holyhead	944	594	3,358,217	104	4	1250	1167
Dablin and Drogheda	354	354	778,565	26%	-	667	615
Dublin and Kingstown	78	74	395,915	0.0	-	833	903
Dandee, Perth, & Aberdeen June.	474	474	544,554	131	64	925	1004
East Anglian (Lynn to Ely)	91	554	1,247,446	L	-	624	657
East Lancashire	754	24	2,628,519	124	5	2741	1569
Eastern Counties and Norfolk	322	295	12,027,069	7.5	-	13838	12668
Eastern Union	78	50	1,782,703	13	-	1514	1100
Edinburgh and Glasgow	57	524	2,923,199	294	6	3167	3007
Edinburgh and Northern	78	34	2,241,276	104	2	2170	1580
Glasgow, Paisley, and Ayr	1024	74	2,574,330	47	3	2707	2420
Glasgow, Paisley, & Greenock	23	23	852,846	144	2	971	854
Gt. Northern & East Lincolnshire	143	-	5,138,756	74	54	2928	-
St. Southern & Western, Ireland	1881	1104	3,552,589	311 2	61	3686	3018
Great Western	230	2061	11,867,042	58#	64	-	10616
Lancaster and Carlisle	90	70	1,476,102	48	44	2879	1813
Lancashire and Yorkshire	220	1274	10,063,862	62	52	11079	9749
Liverpool, Crosby, & Southport	13	-	84,455	34	1	76	58
London and North Western	478	428	26,351,635	113	7	37782	35599
London and Blackwall	54	4	1,299,675	31	1-12	529	549
London, Brighton, & South Coast	170	1621	6,502,600	80	24	8069	7477
London and South-Western	221	194	7,874,259	312	54	8365	7653
Londonderry and Enniskillen	144	144	185,739	16	250	118	105
Manchester, Sheffield, & Lincolnsh.	1574	944	6,398,260	17	5	4753	2618
Midland Company	483	4234	15,133,779	504	541	20049	20061
Midland Great Western (Irish)	50	364	725,332	23	41	1154	1112
Monklands	36	12.3	486,245	O COLUMN	6	A) Burney	(1000)
North British	122	83	3,649,055	114	44	3112	2274
Scottish Central	454	-	1,364,228	164	7	1145	904
hrewsbury and Chester	48	23	969,618	13	5	1438	1316
Shropshire Union	30	-		34	-	359	10.1014
South Devon	571	29	1,909,282	8	5	1129	1073
South-Eastern	1894	1664	8,666,007	20	54	8404	7075
Paff Vale	38	40	879,110	2023	71	2029	1756
Ulater	36	36	723,829	452	1.	749	729
Waterford and Limerick	25	-	812,894	1.455916	MERL	16-175-08-9	1
West Cornwall	13		012,004	/ EMES	100	235	213
Whitehaven Junction	12	12	150,879	94	3	205	170
	2901	2424	6,827,849	171	7	12033	13827
York, Newcastle, & Berwick		234			71	6285	7029
York and North Midland	260	404	4,983,618	18		0280	1029

interest on debentures and canal shares, 6575.; estimated balance available for div on share capital, 20761. Is. Id.—gross receipts for canal and railway, 20,4471. 4s. 6d.

COAL MARKET, LONDON.

MONDAY.—Carr's Hartley 15—Davison's West Hartley 15—East Adair's Main 13 9—Hasting's Hartley 15—Old Tanfield 14 6—Ord's Redheugh 14 6—West Wylam 15 6—Wall's End Brown's Gas 13 9—Hetton 19—Howden 17 9—Whitworth 15—Tees 19—Anthracite 23—Birchgrove Graigola (handpicked) 19 6—Cowpen Hartley 15—Nixon's Merthyr and Cardiff 21 6—North Abbey Graigola 22—Sidney's Hartley 15.—Ships 24; sold 19

Byr an Cardin 21 6—Rorth Aboby Gragola 32—Sidney's Harticy 15.—Ships 24; sold 19 WEDN'S DAY.—Carr's Harticy 16 6—East Adair's Main 14.—Hastings Harticy 15.—Old Tanfiel 2 14 6—Ord's Redbough 14 6 West Wylam 15 6—Wall's-End Brown's Gas 14.—Bell and Brown 17 6—Burnaton Killingworth 17 6—Hodbur 16 3—Lambton Primrose 17 9—Belmont 18—Histon 18 9—Harvel 19 —Lambton 18 3—Stewart's 18 9—Dennison 16 9—Hartlepool 17 6—Toes 18 9—Birchgrove Graigola (hand-picked) 19 6—Cowpen Hartley 15 6—Derwentwater Hartley 15—Ships, 49; sold, 39.

PRIDAY.—Carr's Hartley 16—West Wylum 15 6—Wail's-End Bewicke and Co. 17 9—Killingworth 17 6—Northumberland 16 6—Wail's-End Bewicke and Co. 17 9—Killingworth 17 6—Northumberland 16 6—Washington 17—Eden Main 18—Belmont 18 8—Braddyll 19—Hetton 19—Lambton 18 6—Stewart's 19—Caradoc 18—Cassop 18—Heugh Hall 17 6—Hartlepool 19—Howdan 17 6—Kelloe 18 6—South Hartlepool 18—West Hetton 17 6—Whitworth 15 6—Adelaide Tees 18 6—Cowndon Tees 17 9—Seymour Tees 17 6—South Durham 17 9—Tees 19—Birchgrove Graigola Handpicked 20—Nixon's Merthyr and Cardin 21 6.—Ships at market, 59; sold, 48,

MONTHLY MAIL (shearn esseveyment for PASSENGERS and LIGHT GOODS to CEYLON, MADRAS, CALCUTTA, PERANG, SINGAPOME, and HONG-KONG.
THE PENINSULAR AND ORIENTAL STRAM MAYOATION COMPANY
BOOK PASSENGERS and RECEIVE GOODS and PARCELS for the ABOVE PORTS by their steamers—starting from Southampton on the 20th of every month; and from Sucs on or about the 10th of the month.

BOMBAY.—Passengers for Boinbay call proceed by the company's steamers of the 29th of the month, to Maira, thence is Alexandric by her Mojesty's steamers, and from Sucs of the month of the 10th and 39th of every month. CONSTANTINGER, AND POLITUGAL.—Utgo, Oporto, Lisbon, Cadiz, and Gibraltar, on the 7th 17th, and 27th of the month.

SPAIN AND POLITUGAL.—Utgo, Oporto, Lisbon, Cadiz, and Gibraltar, on the 7th 17th, and 27th of the month.

For plains of the vessels, rates of passage-money, and to secure passages and ship cargo, apply at the company's offices, No. 122, Leadenhall-street, London; and 57, High-street, Southampton.

CREAT EXHIBITION OF INDUSTRY OF ALL NATIONS, 1831.—The FIRST LIST of the NAMES of PROMOTERS and SUB-SCRIBERS is now being made up, to be reported forthwith to H.R.H. PRINGE ALBERT, President of the Society of Arts. Persons desirous that their names should be registered in such List are requested to instituate the same imagediately to the Chairmen of the Local Compilities, which have been formed by

cal Committees	, which have been forn	ned in-	All-author annice etc.
Aberystwith	Devenport	Launceston	Stroud
St. Austell	Dover	Leicester	Swunsea
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[December 8, 1849.]